MAYOR AND COUNCIL MEETING TUESDAY, APRIL 12, 2022, 6:00 PM

1. CALL TO ORDER, PLEDGE, AND ROLL CALL

2. MAYOR'S REMARKS

a. Child Abuse Prevention Month Proclamation/Child Advocacy Center Presentation

3. APPROVAL OF MINUTES

- a. Mayor & Council Meeting March 22, 2022
- 4. <u>CITIZENS' FORUM (PETITIONS, REMONSTRANCES, AND COMMUNICATIONS)</u>
- 5. INTRODUCTION AND ADOPTION OF RESOLUTIONS AND ORDINANCES
- 6. STAFF REPORTS

7. CONSENT AGENDA

- a. Public Works Agreement Brunswick Crossing Section IIA PVP Extended, Public Paving (Bruce Dell)
- b. Public Works Agreement Brunswick Crossing Section IIA PVP Extended Public Storm Drains (Bruce Dell)
- c. Letter of Credit Release Brunswick Crossing Sewer Outfall S-6 (Bruce Dell)

8. UNFINISHED BUSINESS

9. NEW BUSINESS

- a. PO# 220242 Approval Water Loss Systems, Inc. System-Wide Leak Detection \$25,000 vote anticipated (*Jeremy Mose*)
- b. PO# 220248 Approval RFP Inc. WB Tower Move \$77,279.01 vote anticipated (Dave Dunn)
- c. PO# 220253 Approval Wolfe House Movers, LLC WB Tower Move \$20,600 vote anticipated (Dave Dunn)
- d. Change Order to PO# 220019 Approval Callas Contractors Yourtee Springs Concrete Slab \$14,559 vote anticipated (*Dave Dunn*)
- e. Change Order to PO# 220020 Approval Towson Mechanical 811 West Potomac Street \$15,538 vote anticipated (*Dave Dunn*)
- f. Donation Request Brunswick Railroaders Little League vote anticipated (Carrie Myers)
- g. Use of City Park Building Learning Tree vote anticipated (Carrie Myers)
- h. 2022 Municipal Pool Approvals vote anticipated (Carrie Myers)

10. ADJOURNMENT

4/7/2022 1:34 PM

PROCLAMATION

NATIONAL CHILD ABUSE AWARENESS MONTH APRIL, 2022

WHERES, child abuse prevention is a community problem and finding solutions depends on involvement among people throughout the community; and

WHEREAS, the effects of child abuse are felt by a whole community and need to be addressed by the entire community; and

WHEREAS, effective child abuse prevention programs succeed because partnerships are created among social service agencies, schools, religious organizations, local governments, law enforcement agencies, and the business community; and

WHEREAS, youth-serving prevention programs offer positive alternatives for young people and encourage youth to develop strong ties to their community; and

WHEREAS, all citizens should become involved in supporting parents to raise their children in a safe, nurturing environment.

NOW THEREFORE, on behalf of the Mayor and Council of Brunswick, I, do hereby proclaim the month of April, 2022 as National Child Abuse Awareness Month in The City of Brunswick and call upon all citizens, community agencies, religious organizations, medical facilities and businesses to increase their participation in efforts to prevent child abuse, thereby strengthening the communities in which we live.

Nathan Brown, Mayor

City of Brunswick Mayor and Council Meeting Minutes March 22, 2022

The March 22, 2022 City of Brunswick Mayor and Council Meeting was convened in-person at 6:00 P.M. by Mayor Nathan Brown. The following members and staff were present: Nathan Brown, Mayor; John Dayton, Vaughn Ripley, Brian Sandusky, Andy St. John, Chris Vigliotti, and Angel White, Council Members; Dave Dunn, City Administrator; Jeremy Mose, Assistant City Administrator of Public Facilities; Carrie Myers, Director of Administration; Matt Campbell, Director of Utilities, John Gerstner, Director of Public Works; Bruce Dell, Director of Planning; Julie Martorana, Economic Development/Grants Coordinator; and Carmen Hilton, Main Street Manager.

Mayor's Remarks

The Mayor read an Open Meetings Compliance Board statement.

The Mayor stated four Council Members requested to re-open discussions on allowing chickens in Brunswick. He stated the issue has been discussed several times before and suggested placing a question on the upcoming election ballot. Mayor Brown stated he wished to get out of the cycle of re-hashing this debate every time there is a new Council, and thought a ballot question might be a good indicator of what residents want. The majority of Council Members thought this was a good idea. Council Members Vigliotti and St. John stated that while a ballot question wasn't their first choice, they would agree to a very carefully worded question. Staff stated they would explore this option and re-visit with the Council at a later date.

Approval of Minutes

• Mayor & Council – February 8 & 22, 2022

Mr. Sandusky made a motion to approve the minutes. Mr. Vigliotti seconded the motion, which passed 6-0.

Citizens' Forum

No public comments.

Introduction and adoption of Resolutions and Ordinances

• Special Ordinance 582 – FY23 Property Tax Rate

Mr. Dunn discussed the FY23 property tax rate. He stated constant yield was currently set at \$0.3866, while the City's tax rate was currently set at \$0.41. The Finance Commission recommended keeping the current tax rate to take advantage of increased revenue. This was the first reading of the ordinance, and a further discussion and vote would take place in April.

- Resolution 2022-03 Traffic Control Request No Parking Signs 5th Avenue Ms. Myers stated this request was generated by the Public Works department and staff recommended approval. Mr. Sandusky made a motion to approve Resolution 2022-03. Mr. Vigliotti seconded the motion, which passed 6-0.
 - Traffic Control Request No U-Turn Signs 5th Avenue

Ms. Myers stated this request was not recommended by staff, as Maryland law states an illegal u-turn has to take place within 500 feet of the crest of a hill, and in this area, the line of sight is in excess of two

blocks. Mr. Sandusky made a motion to deny the request. Mr. St. John seconded the motion, which passed 6-0.

Staff Reports

Department Heads provided monthly reports.

Consent Agenda

- Budget Transfer FY22 Unassigned to Capital Committed \$1,500,000
- Budget Transfer FY22 General Fund to Capital Fund City Park Improvements \$36,000 Mr. Dunn stated these transfers would move budgeted funds from the general fund to the capital fund for expenditures.
 - Brunswick Elementary School
 - o PWA W&S –Letter Of Credit \$162,216.82
 - o PWA SEC & SW Letter Of Credit \$16,170.15
 - o PWA Streets and Stormdrain Letter of Credit \$34,033.96
 - Forest Resource Deed of Easement Maintenance Agreement Letter of Credit Waived by Frederick County for FCPS

Mr. Dell stated these were all standard Public Works Agreements and recommended approval.

Mr. St. John made a motion to approve the Consent Agenda. Ms. White seconded the motion, which passed 6-0.

New Business

• PO# 220212 Approval – Somerset Security \$12,288.72

Mr. Dunn stated the current cameras at City Hall and Public Works were outdated with cumbersome software. This quote was to replace them, and add cameras to the 13th Avenue facility. Ms. White made a motion to approve the purchase order. Mr. Ripley seconded the motion, which passed 6-0.

• PO# 220216 Approval – Hahn Fence \$10,840.14

Mr. Gerstner stated this quote was to place a permanent fence at the Sports Complex to keep people from driving on the fields. Mr. Ripley made a motion to approve the purchase order. Ms. White seconded the motion, which passed 6-0.

• PO# 220203 Approval – Whitman Requardt & Assoc \$102,671

Mr. Campbell stated this quote would complete engineering for a storage tank at Yourtee Springs. Mr. St. John made a motion to approve the purchase order. Mr. Sandusky seconded the motion, which passed 6-0.

• PO# 220239 Approval – Core & Main \$11,217.15

Mr. Campbell stated this quote was to replace a valve at the intake. Mr. Ripley made a motion to approve the purchase order. Mr. Vigliotti seconded the motion, which passed 6-0.

- Virtual Crisis Pilot MOU Approval Frederick County Health Department Chief Grunwell stated this pilot program would provide officers with ipads that link directly to mental health professionals during crisis calls for service where an emergency evaluation is deemed appropriate. Mr. Sandusky made a motion to approve the MOU. Ms. White seconded the motion, which passed 6-0.
 - A Street Memorial Park MOU with American Legion

Mr. Dunn stated an MOU was requested to identify responsibility of parties at this property. Mr. Ripley made a motion to approve the MOU. Mr. Sandusky seconded the motion, which passed 6-0.

Economic Development Commission Strategic Plan

Ms. Martorana discussed a strategic plan of goals, action items, and achievables developed by the Economic Development Commission. Ms. White made a motion to approve the strategic plan. Mr. Ripley seconded the motion, which passed 6-0. **Adjournment** The meeting adjourned at 7:03 pm. Submitted by: Carrie Myers Approved By: Mayor

Date Witnessed By: City Administrator

Date



March Planning & Zoning / Code Enforcement Staff Report Mayor and Council 4-12-2022

PLANNING & ZONING REPORT

- WB TOWER Relocated to new foundation.
- BRUNSWICK CROSSING 979 Housing permits 882 occupied.
- PD/PW HQ BUILDING (MILTON E. FRECH, JR. OPERATIONS CENTER) Regular Project Status Update meetings conducted as scheduled.
- RR SQUARE Met with Applicants to discuss comments from County Historic Planner on the Demo application for the commercial buildings along W. Potomac St., Planning Commission meeting scheduled for May 9th, 2022.
- BRUNSWICK ELEMENTARY SCHOOL PWA'S Finalized PWA's and recorded FRO
 easements and SWM maintenance agreements, grading and SWM permits issued
- BRUNSWICK ARCH Met onsite to discuss footers.
- BRUNSWICK PRESERVATION & REVITALIZATION COMMITTEE Vacant Properties
 Ordinance reviewing comments from Legal review.
- NPDES MS4 Began engineering on Phase 1 projects for water quality requirements.
- MASTER PLAN Discussions with Consultant on HAPP grant
- GRANTS Spoke First Energy on grant to plant 625 seedlings in tubes at sports complex and steep slopes around the City which are difficult to mow for May 5th planting (rain date May 12th). Volunteers needed, reached out to Brunswick High School FFA and forestry classes for partnership. Project awarded.
- Submitted application for Chesapeake Bay Trust Urban Tree Grant Program to plant 50 native species trees in 5 parks in the City; Kim Weddle, Brunswick Heights, City Park, RR Square Park and YMCA Park. Volunteers needed reached out to the Rotary for partnership.
- Work with Master Plan consultant and submitted HAPP grant for 50,000
- GIS Maps and exhibits for several projects and grants.

PLANNING COMMISSION AND BOARD OF APPEALS

- Planning Commission did not meet in March next meeting scheduled for May 9th 2022.
- No BoA met March 24th, 2022. For Special Exception for Day Care at 8 S. Maple Ave. and was approved no meeting scheduled for April.

PERMITTING AND CODE ENFORCEMENT

- 42 Zoning Certificates
- 9 Driveway Entrance Permits
- 3 ROW Obstruction Permit
- 0 Water Submeter
- 8 U&O's
- 15 Code Enforcement Actions recorded in March

RO W	22-006		3/1/202		Potomac Edison		508	Second Avenue	ROW: Underground Bore/Directio nal Drilling
zc	22-053	25- 60098 3	3/1/202	29	Ashley Schaeffer	Brunswick Crossing LLC	1004	Village Green Way	SFD
DW	22-015	25- 60098 3	3/1/202 2	29	Ashley Schaeffer	Brunswick Crossing LLC	1004	Village Green Way	DW Entrance: Driveway Apron
ZC	22-054	25- 60124 8	3/1/202	29	Ashley Schaeffer	Brunswick Crossing LLC	1500	Potomac View Parkway	SFD
DW	22-016	25- 60124 8	3/1/202 2	29	Ashley Schaeffer	Brunswick Crossing LLC	1500	Potomac View Parkway	DW Entrance: Driveway Apron
zc	22-055	25- 60124 9	3/1/202 2	29	Ashley Schaeffer	Brunswick Crossing LLC	1502	Potomac View Parkway	SFD
DW	22-017	25- 60124 9	3/1/202 2	29	Ashley Schaeffer	Brunswick Crossing LLC	1502	Potomac View Parkway	DW Entrance: Driveway Apron
zc	22-056	25- 60125 1	3/1/202 2	29	Ashley Schaeffer	Brunswick Crossing LLC	1506	Potomac View Parkway	SFD
DW	22-018	25- 60125 1	3/1/202 2	29	Ashley Schaeffer	Brunswick Crossing LLC	1506	Potomac View Parkway	DW Entrance: Driveway Apron
zc	22-057	25- 59877 1	3/3/202	29	Henry Kim	Elizabeth Collins	1194	Dutchman s Creek Drive	Signage
ZC	22-058	25- 60217 5	3/3/202	29	The Fraley Group	Brunswick Crossing LLC	807	Roundhou se Drive	SFD
DW	22-019	25- 60217 5	3/3/202	29	The Fraley Group	Brunswick Crossing LLC	807	Roundhou se Drive	DW Entrance: Driveway Apron

ZC	22-059	25- 60385 1	3/3/202	29	The Fraley Group	Brunswick Crossing LLC	504	Karn Place	SFD
DW	22-020	25- 60385 1	3/3/202	29	The Fraley Group	Brunswick Crossing LLC	504	Karn Place	DW Entrance: Driveway Apron
ZC	22-060	25- 60217 6	3/7/202	29	The Fraley Group	Brunswick Crossing LLC	805	Roundhou se Drive	SFD
DW	22-021	25- 60217 6	3/7/202 2	29	The Fraley Group	Brunswick Crossing LLC	805	Roundhou se Drive	DW Entrance: Driveway Apron
ZC	22-061	25- 60385 3	3/3/202	29	The Fraley Group	Brunswick Crossing LLC	500	Karn Place	SFD
DW	22-022	25- 60385 3	3/3/202 2	29	The Fraley Group	Brunswick Crossing LLC	500	Karn Place	SFD
zc	22-062	25- 60385 8	3/3/202 2	29	The Fraley Group	Brunswick Crossing LLC	902	Karn Terrace	SFD
DW	22-023	25- 60385 8	3/3/202 2	29	The Fraley Group	Brunswick Crossing LLC	902	Karn Terrace	DW Entrance: Driveway Apron
zc	22-063	25- 47663 8	3/4/202 2	146 0	Michael Johnson	Ann Lawrence	610	Second Avenue	Fence
ZC	22-064	25- 47814 2	3/7/202 2	132 4	Shirley Webber	Shirley Webber	10	West I Street	Fence
ZC	22-065	25- 60123 6	3/8/202 2	29	Garrett DeVore	Chandralal Akmemena ge	1412	Berlin Drive	Deck
ZC	22-066	25- 59972 9	3/8/202	29	Albaugh and Sons LLC	Alexander Williams	906	Roundhou se Drive	Deck
ZC	22-067	25- 46841 4	3/8/202	143 8	Kirsten Hower	Kirsten Hower & David Traher	110	East H Street	Fence
ZC	22-068	25- 59972 8	3/8/202	29	Elite Decks & Patios / Aaron Benjamin	Rich Clemenson	904	Roundhou se Drive	Deck
ZC	22-069	25- 59357 3	3/8/202	29	Jyothi Pradeep	Jyothi Pradeep & Cheriyath Pradeep	1220	Long Farm Lane	Patio
ZC	22-070	25- 59197 9	3/8/202 2	29	Albaugh and Sons LLC	Meredith Maclauchla n	1100	Dargon Quarry Lane	Fence

ZC	22-071	25- 59748 8	3/8/202 2	29	Albaugh and Sons LLC	Christy Lynn Moore German	1206	Dargon Quarry Lane	Deck
ZC	22-072	25- 46777 9	3/9/202 2	945	William Kollar	William Kollar	15	East Potomac Street	Renovations
ZC	22-073	25- 47780 4	3/10/20 22	106 0	Cory Hargett	Cory Harget	110	East A Street	Home Occ/Res Prof Office
ZC	22-074	25- 59973 7	3/15/20 22	29	Sam Connely	Sam Connely	821	Kaplon Court	Fence
ZC	22-075- PENDINGHOA	25- 60123 0	3/15/20 22	29	Chandralal Weerasing he	Chandralal Weerasing he	1534	Crampton Street	Deck
ZC	22-076	25- 46816 3	3/15/20 22	632	Wanda Cole	Wanda Cole	9	North Virginia Avenue	Accessory Structure
ZC	22-077	25- 59972 4	3/16/20 22	29	Armor Fence LLC	Samuel Ortiz	907	Roundhou se Drive	Fence
ZC	22-078	25- 47639 5	3/16/20 22	167 4	Andrew McGillivray	Mayor & Council of Brunswick	210	Thirteenth Avenue	Accessory Structure
ZC	22-079	25- 47377 9	3/16/20 22	108	Chris Pohl	Chris Pohl	28	Concord Drive	Renovations
ZC	22-080	N/A	3/17/20 22		Terry Cromwell (Brunswick Crossing Community Manager)	N/A	Mult i.		Yard Sale
RO W	22-007	25- 47293 4	3/18/20 22		Lorretta Garden	Lorretta Garden	916	East B Street	ROW: Underground Bore/Directio nal Drilling
ZC	22-081	25- 47293 4	3/18/20 22		Lorretta Garden	Lorretta Garden	916	East B Street	Accessory Structure
ZC	22-082	25- 59317 1	3/23/20 22	29	Brendan Casey (Casey Fence and Deck)	Rohan Bhatnagar and Ravali Rampay	1220	Shenando ah Square South	Deck
ZC	22-083	25- 59973 8	3/23/20 22	29	Brendan Casey (Casey Fence and Deck)	Kevin Dimaria	819	Kaplon Court	Deck

zc	22-084	25- 59317 5	3/23/20 22	29	Brendan Casey (Casey Fence and Deck)	Shane Cronin and Jennifer Hogan	1212	Shenando ah Square South	Deck
zc	22-085	25- 48847 4	3/23/20 22	311	Laura Braden (Frederick Fence)	Sarah Virts	111	Fiona Way	Fence
zc	22-086	25- 60088 8	3/23/20 22	29	Laura Braden (Frederick Fence)	Shane Hogan and Brooke Hogan	1317	Crampton Place	Fence
ZC	22-087	25- 59973 1	3/23/20 22	29	Aaron Benjamin (Elite Decks and Patios of MD)	Nicole Stevens	655	Central Avenue	Deck
zc	22-088	25- 47636 0	3/23/20 22	193 5	Caleb Shullenbar ger	Mayor & Council of Brunswick	655	East Potomac Street	Accessory Structure
ZC	22-089	25- 49239 0	3/23/20 22	29	Michelle Clancy	Gamal Aberra	1203	Moore Spring Court	Deck
ZC	22-090	25- 48124 0	3/24/20 22	168 4	Kimberlee Butler	Kimberlee Butler	607	Ninth Avenue	Yard Sale
ZC	Rev-22-091	25- 48756 7	3/24/20 22	311	4A Contracting (Matthew Spinks)	Vicki Johnson	8	Evan Court	Renovations
ZC	22-092	25- 46371 4	3/25/20 22		Emily Duvall- Simpson	Emily Duvall- Simpson	8	South Maple Avenue	Other
ZC	22-093	25- 59470 7	3/25/20 22	29	Tri County Fence and Decks (Jennifer Brockman)	Carlos Lopez	503	Martins Creek Drive	Fence
RO W	22-008		3/30/20 22		Potomac Edison			East F Street	ROW: Underground Bore/Directio nal Drilling
zc	22-094	25- 46844 9	3/31/20 22		Melissa Bennett	Melissa and David Bennett	9	Tenth Avenue	Accessory Structure

				U&O Log 2022	2		
Item#	U&O #	Receipt Date	Street #	Street Address	Developer	AP#	Issuance Date
20	22-20	3/3/2022	1338	Monocacy Crossing Parkway	Dan Ryan Builders	366784	3/3/2022
21	22-21	3/18/2022	701	Kaplon Court	Richmond American Homes	362005	3/18/2022
22	22-22	3/23/2022	809	Kaplon Court	Richmond American Homes	354583	3/23/2022
23	22-23	3/23/2022	1102	Shenandoah View Parkway	Lennar	368113	3/23/2022
24	22-24	3/24/2022	704	Canal Town Street	Dan Ryan Builders	366746	3/24/2022
25	22-25	3/29/2022	816	Kaplon Court	Richmond American Homes	354570	3/29/2022
26	22-26	3/29/2022	702	Kaplon Court	Richmond American Homes	361996	3/29/2022
27	22-27	3/30/2022	811	Kaplon Court	Richmond American Homes	354568	3/30/2022

March Code Enforcement Log	Courtesy Notice	Violat ion Notic e	Totals for March
City Personnel Observation	8	1	9
Signs	2	0	2
Property Trash	3	0	3
Animal Waste	1	0	1
Trash Prohibition	2	1	3
⊡ Complaint Filed	1	5	6
Property Maintenance	1	0	1
Trash Prohibition	0	5	5
Totals for March	9	6	15

Month	tives tock	Siene	Property	Snow	Animal Ve	Property Mai	Unsecured	Trash	Grand To	lego
January	1	0	3	74	0	0	1	1	80	
February	0	1	7	0	1	0	0	19	28	
March	0	2	3	0	1	1	0	8	15	
Grand Total	1	3	13	74	2	1	1	28	123	

March 2022 Electric

Repaired emergency lights at city Hall
Started repairs at 102 West Potomac Street
Added network outlet and repaired camera at Police Dept.
Repaired pole light at Square Corner Park
Repaired heaters, light fixtures, exhaust fan at Campground
Made safe wires when light pole was knocked down at Brunswick Crossing



Brunswick Police Department Monthly Report

Reporting Month and Year: March 2022

Tr	affic Enforce	ment Activ	rity	
	Month	YTD	PY Month	PY YTD
Maryland State Citations	29	83	5	11
Maryland State SEROS	2	6	5	7
Warning Citations	97	216	21	55
Parking Citations	0	30	7	19

	Crime F	Report		
	Month	YTD	PY Month	PY YTD
Calls for Service	1078	3148	938	2224
Homicide	0	0	0	0
Rape	0	0	0	0
Robbery	2	2	0	0
Assault	1	10	1	16
B&E	1	1	0	1
Theft	3	8	5	17
Auto Theft	0	2	0	1
Motor Vehicle Accidents	9	32	9	23
Arrests-Adult	8	19		
Arrests-Juvenile	2	7		



Department of Public Works

Mayor & Council Monthly Report for March 2022

Water Line Repairs and Maintenance

Used sound equipment to locate leaks in Knoxville. Repaired a leak on Brunswick St.

Sewer Line Repairs

Assisted the homeowner on West Potomac with a backup. Continued Jetting in town.

Water Valve Maintenance

NA

Fire Hydrant Maintenance

Every week we continue to flow hydrants that show low chlorine or sediment. Fixed a Hydrant at South Maple.

Street Repair and Maintenance

Patched potholes and prepped for asphalt on West B, Florida, N. Virginia and Brunswick Street extended.

CIP Projects

Continued to work on the stone pad for West Bound tower move.

Storm Drain Maintenance

Clean storms drains & grates. Jetted the Campground storm drains.

Miscellaneous Tasks and Maintenance

Repairing or replacing road signs, Continued Park checks and maintenance.

Construction and Contractor Support

Sidewalk inspections, Review new plans.



Department of Public Works

MARCH 2022 WATER METER/ SAFETY REPORT

Meters:

Settlements – 34
Replacements – 3
Repairs – 10
High Bill Investigations (initiated by customer) – 18
New Meter Installs – 20
Meter Inspections – 15
U&O Inspections – 15
Sub- Meter Inspections- 1
Cut-offs- 24

Completed quarterly water meter reading for the City's April 2022 billing.

Provided regular monitoring of leak reports and notified customers of water leaks when found.

Completed water service cut-offs at addresses where water/ sewer bill is unpaid/ past-due. Restored water services as bills paid.

Safety:

Completed monthly fire extinguisher inspection. Replaced fire extinguishers found to be undercharged.

National Safety Supply re-calibrated all gas monitors used for "Confined Space Entry"



Utilities Department Operating Reports for March 2022

WWTP Monthly Operating Reports

- > Staff started using the new AquaKinetics polymer for pressing sludge.
- > The new contract for the sludge hauler was finalized for another 5 years.
- > Backflow preventer inspections were completed.
- > We received approval to finish upgrading to LED lighting at the WWTP. C&H Electric is working in conjunction with Catoctin Lighting to get available Potomac Edison rebates for the City.
- > Fredericktown Labs is changing their sample reporting software and Brunswick has been asked to help test their new workflow, chain of custody, and online portal whenever it goes live.
- > Programming changes were made to the SCADA system to better control DelPac usage.

WTP Monthly Operating Reports

- > An Operator resigned in March. The job was posted on the City website and social media. We are in the process of interviewing and hiring a replacement.
- After several weeks of digging, etc the work to fix the Intake air line was completed.
- ➤ Work is moving forward at Yourtee. Potomac Edison installed permanent 3-phase power. The pumps were delivered and installed. The contractor will be replacing the concrete slab floor in the old bldg.
- > Backflow preventer inspections were completed.
- ➤ We received approval to finish upgrading to LED lighting at the WTP and Tower. C&H Electric is working in conjunction with Catoctin Lighting to get available Potomac Edison rebates for the City.
- > Performed maintenance on Filter #1 flow meter.
- > Staff are in the beginning stages of building the WTP eMaintenance database to include plant assets and planned preventative maintenance.
- > Cleaned both Sedimentation Basins
- ➤ We received the finalized Comprehensive Performance Evaluation (CPE) from MDE. The CPE is an evaluation of our existing surface water treatment plant (SWTP) resulting in a comprehensive assessment of its treatment process design, and the impact of the operation, maintenance, and administrative practices on the optimal performance of the plant.



City of Brunswick, MD - Waste Water Treatment Plant Flow & Sludge Cumulative Report for 2022

				Flow					SI	Sludge	
Month	Total Rainfall Inches	Total Influent MGD	Influent AVG Daily MGD	Influent Max Daily MGD	Total Effluent MGD	Effluent AVG Daily MGD	Effluent Max Daily MGD	Sludge Wet TONS	Sludge Dry TONS	AVG % Solids	Gallons Water Hauled to the Landfill
January	3.10	20.908	0.674	0.943	17.310	0.558	0.842	119.51	17.89	14.97	24369
February	2.30	19.476	969.0	1.081	16.417	0.586	968:0	118.57	18.86	15.90	23911
March	1.90	20.442	0.659	0.765	17.442	0.563	0.667	139.42	21.68	15.40	28235
April											0
May											0
June											0
July											0
August											0
September											0
October											0
November											0
December											0
YTD Total	7.30	60.826	2.029	2.789	51.169	1.707	2.405	377.5	58.43	1.	76516
YTD Avg	2.43	20.275	9.676	0:6:0	17.056	0.569	0.802	125.83	19.48	15.42	15303

City of Brunswick, MD - Water Treatment Plant Water Flow Report for 2022

				Flow					Yourte	Yourtee Springs	
Month	Total Rain Fall	Raw Water from River MGD	WTP Effluent MGD	Back Wash Water Used MGD	Back Wash Water %	Towers		Total Flows			
January	2.80	21.038	19.283	0.731	3.5	16.786	¥*	0			
February	2.30	19.905	18.361	0.494	2.5	15.604		0			
March	2.70	21.158	19.111	0.618	2.9	17.092		0			x
April					#DIV/0!						
May					#DIV/0!						
June					#DIV/0!						
July					#DIV/0!						
August					#DIV/0!						
September					#DIV/0!						
October					#DIV/0!						
November					#DIV/0!						
December					#DIV/0!						
YTD Total	7.80	62.101	56.755	1.843	#DIV/0!	49.482	0.000	0	0	×	
YTD Avg	2.60	20.700	18.918	0.614	#DIV/0!	16.494	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!

COMPREHENSIVE PERFORMANCE EVALUATION OF THE CITY OF BRUNSWICK'S WATER TREATMENT PLANT FREDERICK COUNTY, MARYLAND



MARYLAND DEPARTMENT OF THE ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION
WATER SUPPLY PROGRAM
ENGINEERING & TECHNICAL ASSISTANCE DIVISION
JANUARY 2022

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EXECUTIVE SUMMARY

This report presents the findings of a Comprehensive Performance Evaluation (CPE) of the City of Brunswick's water filtration plant conducted January 10th and 11th, 2022, by the Maryland Department of the Environment's (MDE) Water Supply Program (WSP). A CPE is an evaluation of an existing surface water treatment plant (SWTP) resulting in a comprehensive assessment of its unit treatment process design, and the impact of the operation, maintenance, and administrative practices on the optimal performance of the plant. MDE has adopted the CPE as a means to evaluate compliance with the Surface Water Treatment Rule and to assess the capability of these plants to continually deliver the highest quality water possible.

Optimized plant performance goals are necessary to achieve high quality water on a continuous basis. The water industry at large recognizes the importance of this optimization approach since research has shown that Cryptosporidium oocysts and Giardia cysts are present in virtually all surface waters. Evidence supporting this research includes the waterborne disease outbreaks in Milwaukee, Wisconsin; Jackson County, Oregon; Carrollton, Georgia; and Swindon, England.

The CPE process involves two phases: data collection and determination of performance limiting factors. A variety of means are used to collect data about the plant including observation of filter performance, review of operating records, evaluation of plant design with respect to unit process capability, and interviews of plant and management staff. The CPE team analyzes collected data to create a list of factors that could have an effect on plant performance relative to the optimization goals for SWTPs. Individually, any factor deemed significant enough to list will have an effect on the quality of water produced either on a continuous or intermittent basis.

At the time of the evaluation, two factors are identified as limiting plant performance. They are:

- 1. Application of process and testing to process control Operation (B)
- 2. Sample taps Design (B)

SITE VISIT INFORMATION

Dates: January 10, 11 and 26, 2022

City of Brunswick:

Nathan Brown

Mayor

David Dunn

City Administrator

Jeremy Mose

Assistant City Administrator of Public Facilities

Matt Campbell

Director of Utilities/ WTP Superintendent

Mark Meyers

Deputy Director of Utilities

Danny Pendergraft

WTP Lead Operator

Jake Dillow

WTP Operator

Pat Miglio

WTP Operator

Jessie Smith

WTP Operator

City of Brunswick City Hall, 1 West Potomac Street Brunswick MD 21716 Office # 301-834-7500

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Gavin Courtright

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INTRODUCTION / HISTORY

In the mid-1980s, the state of Montana developed a Comprehensive Composite Program (CCP) approach to improve the compliance of wastewater treatment facilities throughout the state. Based on the initial success of this program, state engineers adapted the approach for application to surface water treatment plants. From 1988-1990, twelve SWTPs throughout Montana were evaluated using elements of the CCP approach. Of these twelve plants, six saw significant improvements in performance. These promising results led the USEPA to further develop the program and encourage its application on a nation-wide scale.

The CCP approach consists of two parts: the Comprehensive Performance Evaluation (CPE) and Comprehensive Technical Assistance (CTA). A CPE is a thorough evaluation of an existing treatment plant resulting in a comprehensive assessment of the unit treatment process capabilities and the impact of the operation, maintenance, and administrative practices on the optimal performance of the plant. A CTA is used to optimize performance of an existing plant by systematically addressing the factors limiting performance identified during the CPE.

The CPE is a proven procedure for evaluating the performance of surface water treatment plants for the purpose of ensuring compliance with the Surface Water Treatment Rule (SWTR) and recent amendments thereto. The SWTR is a major regulation with which all public water systems (PWS) using surface water sources must comply. The current edition mandates that the turbidity of filtered water from PWS must be less than or equal to 0.3 NTU in 95% of samples each month, and no single turbidity reading may be above 1.0 NTU.

The water industry at large has recognized that compliance with the above standards is not always sufficient to provide adequate and continuous public health protection. Research and field experience shows that plant operation necessary to meet the current turbidity standard 0.3 NTU will not provide the desired water quality needed for protection from waterborne pathogens, primarily *Cryptosporidium* and *Giardia*, that are present in virtually all surface water.

Therefore, additional optimization plant performance goals for settled and finished water turbidity are necessary to achieve high-quality drinking water on a continuous basis. Current optimization goals adopted by MDE include:

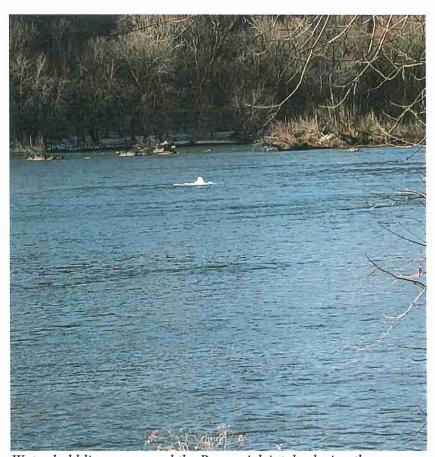
- settled (or clarified) water turbidity of less than 1.0 NTU when the average raw water turbidity is less than 10 NTU, OR
- settled (or clarified) water turbidity of less than 2.0 NTU when the average raw water turbidity is greater than 10 NTU, AND
- final effluent turbidity of 0.1 NTU on a continuous basis.

Because the CPE has been helpful in strengthening drinking water treatment understanding and improving water plant performance throughout Maryland, the MDE has proposed to perform CPEs, with periodic re-evaluations, at all surface water plants in the State.

FACILITY INFORMATION

The City of Brunswick owns and operates a water filtration plant that treats water from the Potomac River. With a design capacity of 1.5 million gallons per day (MGD), the plant operates 14-19 hours per day and produces a peak volume of 1.3 MGD to approximately 7,800 people. The plant was originally designed as a "package plant" with chemical addition, an in-line static mixer, upflow adsorption clarifiers, multimedia filters, and disinfection, but flash mixing, flocculation, and two sedimentation basins were added before the upflow clarifiers as part of plant upgrades in 2012.

The raw water pump station intake extends approximately 300 feet into the river. Compressed air is used to clean the intake screen three times a day. Despite this cleaning method, the intake is periodically clogged with algae. In the summer, plant staff wade into the river to manually clean off the intake using wire brushes, but, in the winter, such an undertaking is not feasible. Consequently, raw water flow in the winter is sometimes a limiting factor for plant production. Water flows by gravity into the pump station wet well and is then pumped to the plant by one of two 750 gpm pumps which rotate pumping duties every month. Potassium permanganate is fed into the wet well for algae, taste and odor control, and to reduce disinfection byproducts.



Water bubbling up around the Brunswick intake during the compressed air blowout

In the plant, DelPAC and sulfuric acid are fed into the water just prior to the flash mixer. Two vertical shaft flocculators provide gentle mixing to assist settling in the sedimentation basins which follow. The sedimentation basins are equipped with plate settlers to further aid in settling.

Basins are drained once a month to remove sludge for transport to WWTP.

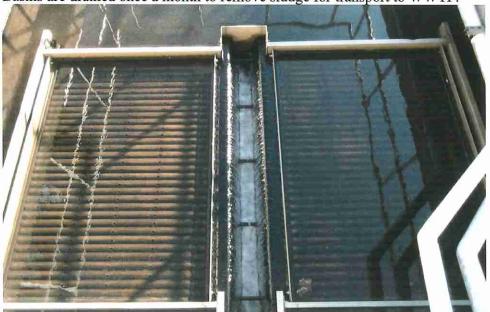
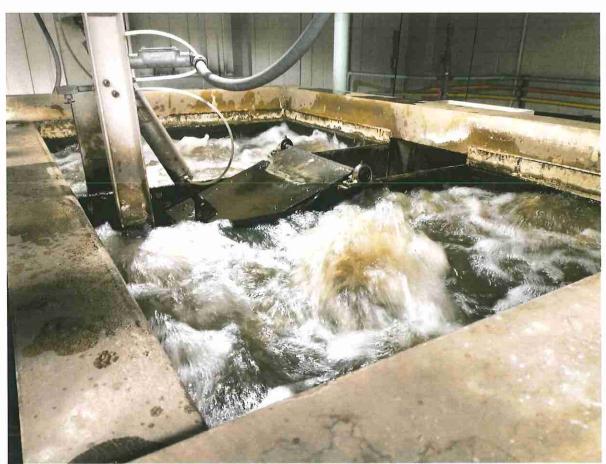


Plate settlers

Caustic soda and a low dose of DelPAC are added after the water leaves the sedimentation basins before it enters the three upflow clarifiers. Larger floc particles are captured by the clarifiers' buoyant suspended spherical media before the water flows to the mixed-media filters. The clarifiers are flushed every six hours of runtime, which consists of injecting air into the influent water as it enters the bottom of the clarifier. The air/water mix agitates the media to effectively scour it. Waste from the flush flows to the holding tank.



Upflow clarifiers



Clarifier during backflush

Each filter contains anthracite, silica sand, and garnet sand. Plant staff periodically top off the filters with anthracite as some material is lost during the backwash cycle. Each filter also has a rotary surface wash system. Filter backwashing is typically initiated after 24 hours of run time, A backwash will also be initiated if the head loss or effluent turbidity reaches abnormal levels. Water for backwashing is pumped from the clearwell by one of two 1,400-gpm pumps. The spent backwash water, as well as the water used during post-backwash filter-to-waste, flows to the holding tank. Decant from that tank is pumped to the sewer system. Solids are cleaned out and hauled to landfill.

Sodium hypochlorite is added to the filtered water as it flows to the 171,000-gallon clearwell with serpentine baffling. Three high service pumps (two 320-gpm and one 350-gpm) are alternated weekly to pump water to the 3 million gallon reservoir, 1 million gallon elevated storage tank, and 0.25 million gallon elevated storage tank. Figure 1 is a schematic of the plant.

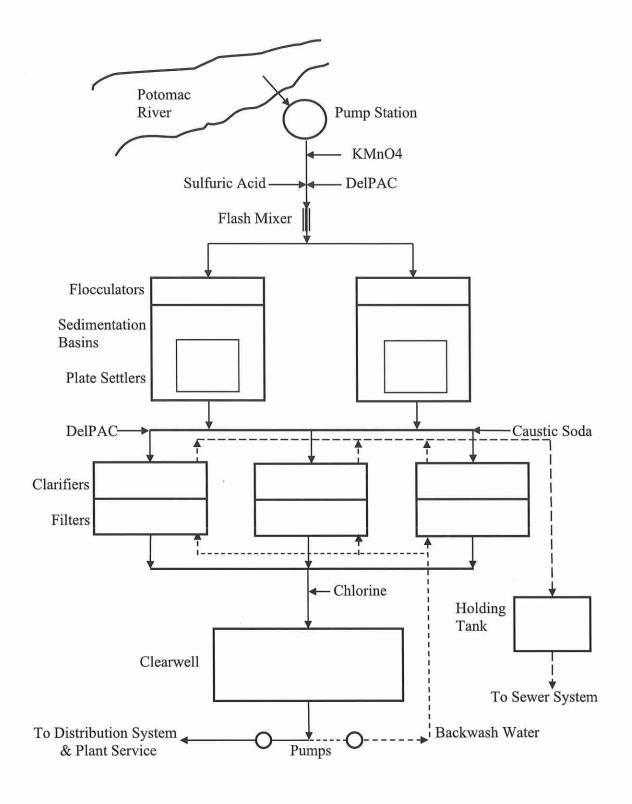


Figure 1 – Water treatment plant schematic

MAJOR UNIT PROCESS EVALUATION

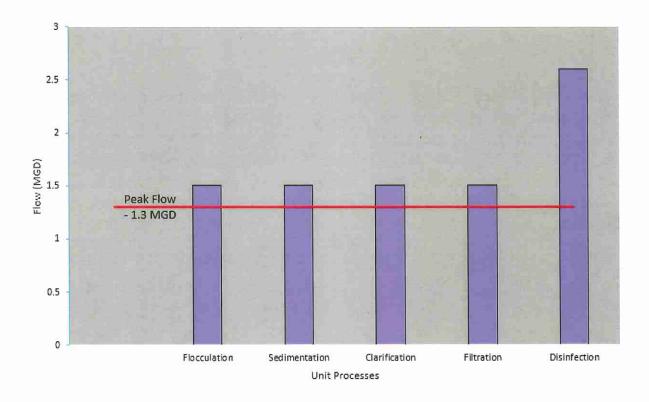
In the field of drinking water treatment processes, the widely accepted multiple barrier principle recognizes that more than one major unit process, or "link", in the treatment chain should be present so that, in the event of a failure in one unit process, other "links" should be able to protect and ensure the quality of the finished product. A failure in a major unit process could be caused by equipment failure or human error.

Water treatment plants are designed to take a variable quality raw water source and produce consistently high-quality finished water. Multiple treatment processes are provided in series to remove turbidity, and to remove and/or inactivate cysts and other microorganisms. Each process represents a barrier to prevent the passage of cysts and other microorganisms through the plant. By providing multiple barriers, any microorganisms passing one unit process can possibly be removed in the next, minimizing the likelihood of microorganisms passing through the total treatment system and surviving in water served to the public.

The major unit process evaluation should not be viewed as a comparison with the original process design. The processes are assessed with respect to their capability to consistently contribute to overall optimized plant performance. The capabilities of the individual unit processes to perform optimally are also assessed to ensure that the processes provide an effective barrier to the passage of microorganisms on a continuous basis. Specific performance goals for the following unit processes, if in place, are used in this assessment: flocculation, sedimentation (or clarification), filtration, and disinfection unit processes. These goals include continuous settled (or clarified) water turbidities of less than 1.0 NTU for plants such as this that experience average raw water turbidity less than 10 NTU, and continuous filter effluent turbidities of less than 0.1 NTU. Capabilities of the disinfection process are based on the CT values outlined in a U.S. EPA guidance manual for meeting filtration and disinfection requirements.

Overall unit process capability is assessed using a Performance Potential Graph, as shown in Figure 2. Using the graph, the potential treatment capacity of each major unit process is compared against the plant's current peak instantaneous operating flow rate. These treatment capacities are projected based on the type of treatment process, the CPE team's judgment and experience with similar processes, and industry guidelines.

The unit processes evaluated are shown on the left side of the graph, with the various flow rates against which the processes were assessed shown across the top. The peak instantaneous operating flow rate is shown as a horizontal dashed line. The peak flow rate, established at 1.3 MGD, is based on discussions with plant staff and the maximum raw water pumping rate reported in operations records.



- (1) Sedimentation flow rating based off up flow clarifiers. Clarifiers rated at 10 gpm/sf surface overflow rate (SOR); depth of 6 feet
- (2) Filtration rated at 5 gpm/sf hydraulic loading rate (HLR); three dual-media filters; assumes adequate media depth and backwashing capability
- (3) Disinfection rated at 3 log total reduction (99.9%), 2.5 logs in plant, 0.5 logs by disinfection. Post-disinfection based on CT = 65, with 1.0 mg/l free chlorine residual, pH = 8.0, temp = 0.5 °C, allowed 70% of the "average-baffled" clearwell volume for contact

Figure 2 - Performance potential graph

The bars represent projections of unit process capability to provide an expected level of performance to assure each unit process acts as a multiple barrier in minimizing the passage of cysts, oocysts and viruses through the plant. Any bar that falls short of the peak instantaneous operating flow rate by more than twenty percent (20%) of that rate represents a process whose size would limit the plant's capacity to achieve the desired level of performance. Footnotes explain the loading criteria and conditions used to rate each process.

Flocculation capacity is rated at 1.5 MGD, which is based on the single stage mixing and combined basin volume of 46,035 gallons.

The sedimentation capacity is rated using the available volume and surface area as well as the type and coverage of settling tubes in the sedimentation basins. Sedimentation is rated at 1.5 MGD based on a surface overflow rate of 9.0 gpm/ft². The two sedimentation basins each have a surface area of 175 ft and an approximate depth of 11 ft.

The clarification capacity is rated using the available volume and surface area of the three clarification basins. Clarification is rated at 1.5 MGD based on a surface overflow rate of 10.0 gpm/ft². Each clarification basin has a surface area of 105 ft and a depth of 6 ft.

Filtration capacity is rated at 1.5 MGD, which is based on a filter-loading rate of 5.0 gpm/ft², standard for mixed media. The rating assumes that the filters will receive adequate individual backwashing to achieve the desired performance. The three filtration beds each have a surface area of 210 ft.

Current drinking water regulations for disinfection are based on values of contact time (CT) needed for inactivation of Giardia cysts and viruses. CT, expressed in milligrams per litreminutes (mg/l-min), is the disinfectant concentration, C, multiplied by the actual time, T, the water is in contact with the disinfectant. To establish the CT required, it is assumed that the plant would have to provide a total of 3 logs (99.9 percent) of cyst removal/inactivation. Although higher removal/inactivation levels are recommended, this level is based on the minimum removal as required by the SWTR. It is also assumed that the plant's treatment processes would provide 2.5 logs of removal, requiring 0.5 logs of inactivation by the disinfection system.

Using only post-disinfection, the plant needs to provide a CT of 65 mg/l-min to obtain the 0.5 log of cyst inactivation in the clearwell. This CT is based on reported operating conditions of pH of 8.0, a temperature of 0.5°C, and the chlorine residual maintained at 1.0 mg/L. The effective disinfectant contact time is calculated assuming that seventy percent (70%) of the minimum volume of the serpentine-baffled clearwell is available for contact. Based on these data, the current post-disinfection system is rated at a capacity of 2.6 MGD.

Post-disinfection calculations shown in the PPG graph above were done only taking into account the disinfection capabilities within the plant itself. When considering the additional contact time from pipe distance to first user, the post-disinfection system is rated at a capacity of 8.9 MGD.

As shown in Figure 2, the flocculation, sedimentation clarification, filtration and disinfection processes are sufficient to enable the plant to operate at peak flow rate and still meet the requirements of the SWTR under cold weather conditions.

FILTER SPECIAL STUDY

A special study was performed on filter #2, whereby the media was examined, and the backwash process was evaluated. The media was in good condition, and measurements of the media depths were roughly consistent with the design depths. A core sample of media pulled from the bed indicated an anthracite depth of 18.5 in compared to the design anthracite depth of 16.5 in. Prior to the backwash, a "static" measurement to the media surface was recorded for a bed expansion calculation. Then, during the highest backwash rate, the top of the fluidized media bed is measured. The bed expansion, as a percentage of the media bed depth, can be calculated with these measurements. The expansion is approximately 30%, which is exceeds the minimum recommended expansion of 20%

The high backwash flow rate is approximately 1,400 gpm, creating a backwash rate of approximately 19 gpm/sf. This value is within recommended guidelines of 15-20 gpm/sf.



Filter during normal operation

PERFORMANCE ASSESSMENT

A portion of this CPE includes an assessment of the past and present performance of the water treatment plant. This assessment was conducted to determine (1) if specific unit treatment processes are performing as expected, (2) if multiple barrier protection is being provided, and (3) if the plant is able to meet optimization goals for turbidity. The assessment was based on data from plant records from the previous year and data collected during the CPE.

Figures 3 through 5 show plant performance data for the raw, clarified, finished water turbidities from January 2021 through December 2021. Tables 1 and 2 summarize the same data in a numerical format. The data was obtained from the plant's monthly operating records.

Figure 3 shows the raw water turbidity, which averages 7.5 NTU. Because the average raw water turbidity is less than 10 NTU, the optimization goal for the sedimentation/clarification process is 1.0 NTU or less. Looking at Figure 4, it appears that the reported clarified water turbidity usually achieves the goal. Calculations indicate that the optimization goal is achieved approximately 63% of the time.

If the coagulation, flocculation, sedimentation, and clarification processes are optimized, the clarified water turbidity should be below 1.0 NTU on a continuous basis. This would lead to reduced loading on the filters, allowing them to work more efficiently, as well as the production of less backwash waste. Figure 5 shows the reported maximum daily turbidity data for the filters in operation. It indicates that the plant's filtration process achieved the optimization goal of 0.1 NTU 100% of the time.

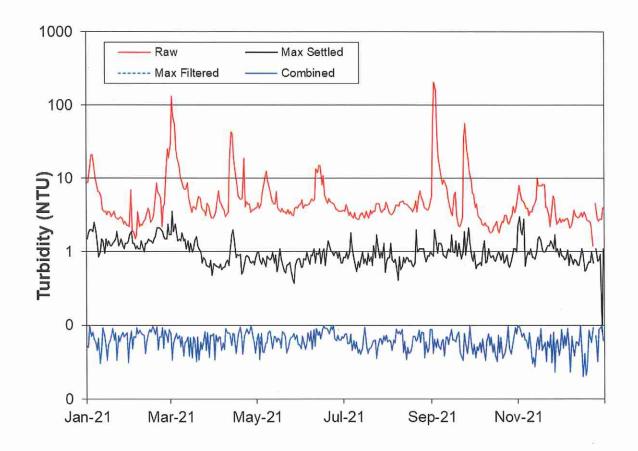


Figure 3. Summary of reported turbidity data

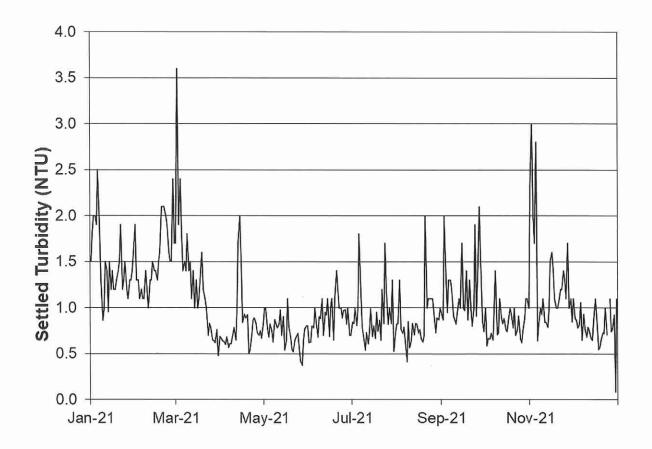


Figure 4. Post-clarification turbidity data

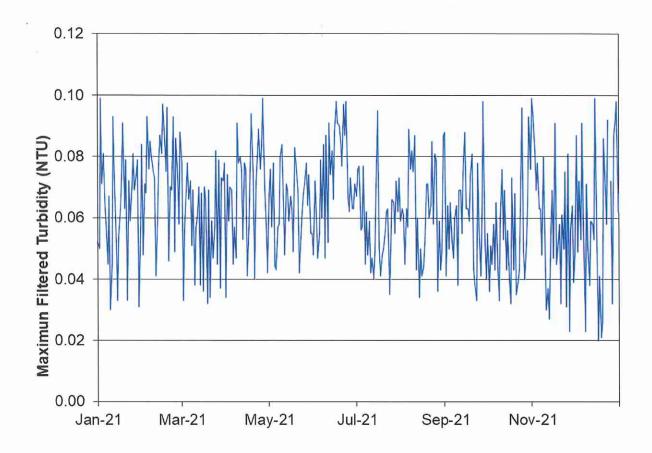


Figure 5. Max filter effluent turbidity data

ANNUAL DATA	Avg	Min	Max	RSQ	95%	Opt. Goal	Reg.
	NTU	NTU	NTU		NTU	% Values	% Values
Raw Turbidity	7.5	1.2	206.0	n/a	18.9	n/a	n/a
Max. Settled Turbidity	1.0	0.1	3.6	0.13	1.9	62.6	n/a
Max. Filtered Turbidity	0.06	0.02	0.10	0.02	0.09	100.0	n/a
Combined Filtered Turbidity	0.06	0.02	0.10	0.02	0.09	100.0	100.0

Table 1. Summary of turbidity data

		Settled	Water		Combined Filtered Water				
	95th % Values Meeting Goal		95th %	% Valu	es Meetin	g Goal			
Month/Yr	Sed 1	3 NTU	2 NTU	1 NTU		0.3 NTU	0.2 NTU	0.1 NTU	
Jan-21	2.00	100.0	96.8	9.7	0.09	100.0	100.0	100.0	
Feb-21	2.10	100.0	85.7	3.6	0.09	100.0	100.0	100.0	
Mar-21	2.15	96.8	93.5	38.7	0.08	100.0	100.0	100.0	
Apr-21	1.61	100.0	100.0	90.0	0.09	100.0	100.0	100.0	
May-21	1.00	100.0	100.0	96.8	0.08	100.0	100.0	100.0	
Jun-21	1.16	100.0	100.0	80.0	0.10	100.0	100.0	100.0	
Jul-21	1.50	100.0	100.0	80.6	0.08	100.0	100.0	100.0	
Aug-21	1.20	100.0	100.0	80.6	0.09	100.0	100.0	100.0	
Sep-21	1.96	100.0	96.7	56.7	0.09	100.0	100.0	100.0	
Oct-21	1.10	100.0	100.0	87.1	0.08	100.0	100.0	100.0	
Nov-21	2.58	100.0	90.0	40.0	0.09	100.0	100.0	100.0	
Dec-21	1.10	100.0	100.0	83.3	0.10	100.0	100.0	100.0	

Table 2. Monthly evaluation of turbidity data

PERFORMANCE LIMITING FACTORS

The main purpose of the CPE is to determine if there are any factors in the areas of design, operation, maintenance, or administration that limit the performance of a plant. These are known as performance limiting factors, and if identified, are classified according to the following guidelines, and prioritized as to their relative impact on a plant's performance.

- A Major effect on a long-term repetitive basis.
- B Minimal effect on a routine basis, or major effect on a periodic basis.
- C Minor effect.

The CPE team consulted a list of more than 50 possible factors in the decision-making process. Factors are identified based on information obtained from the plant tour, interviews, performance and design assessments, and special studies. Also, the collective experience of the CPE team in performing these evaluations plays an important role in identifying factors. The CPE team has determined that, at the time of the evaluation, the following factors limit plant performance.

1. Application of process and testing to process control (Operation) B: Although the Potomac can be a flashy source, there is no consistently followed SOP for when a jar test should be performed (either on a given change in raw water turbidity or time). Jar test records do not show that the jars are tested for turbidity - either as settled water or after filtration. Typical jar tests have smaller increments between coagulant doses, and doses should be centered around the current plant dosage. Jar test records show that the coagulant dose tested typically started at 20 mg/l, which is about 40 - 50 mg/l under the plant's typical dose of 60 - 70 mg/l.

The importance of jar tests to settled water performance could be emphasized to the operators by clear directions to perform jar tests at regular intervals, such as every shift or every day. Additionally, regular jar tests by all personnel will both emphasize the importance of coagulation chemistry to settled water optimization and familiarize all staff with proper jar test procedures.

2. **Sample taps (Design) B**: There are no continuously reading turbidimeters showing the turbidity of the water on top of the filters. Although grab samples are taken from each train, the performance of the sedimentation basins and upflow clarifiers cannot be thoroughly monitored.

SUMMARY

Brunswick's water treatment plant treats water that can be extremely flashy. Most of the time, however, the raw water turbidity is less than 10 NTU. The plant is capable of meeting current and future regulatory turbidity requirements. The plant consistently achieves finished water optimization goals, but this study concludes that the sedimentation/clarification process could be further optimized.

STANDARD

PUBLIC WORKS AGREEMENT

FOR BRUNSWICK CROSSING

CITY OF BRUNSWICK, MARYLAND

Section IIA PVP Extended, Public Paving

This Public Works Agreement ("this Agreement") is made as of the ______ day of _____, 20___, by and between the MAYOR AND COUNCIL OF BRUNSWICK, a municipal corporation of the State of Maryland, having its principal offices at Brunswick City Hall, One West Potomac Street, Brunswick, Maryland 21716 (the "City"), and BRUNSWICK CROSSING, LLC, a Maryland limited liability company, having its principal offices at 24012 Frederick Road, Suite 200, Clarksburg, Maryland 20871 (the "Developer"), as follows:

RECITALS

Red Brill one of

1. PROPERTY AND IMPROVEMENTS. The Developer is the owner and developer of certain lands in the City of Brunswick, Frederick County, State of Maryland, located on the south side of Maryland Route 17 and the east side of Maryland Route 180, and known and described as the Brunswick Crossing subdivision (the "Property"), upon which and for the benefit of Developer intends to construct those certain public paving improvements generally described as:

Section IIA—PVP Extended, Public Paving Improvements

(the "Improvements"). The Property was annexed into the corporate limits of the City of Brunswick by Resolution No. 02-05 effective May 10, 2002, and pursuant to the terms and conditions of an Annexation Agreement dated March 26, 2002 by and between Brunswick Crossing, E.E.C., et al., and the City (the "Annexation Agreement")

- 2. <u>IMPROVEMENT PLANS</u>. Developer has designed and submitted to the City the engineered construction plans and specifications which have been approved by the City Department of Public Works ("BDPW") and are identified as <u>"Brunswick Crossing Improvement Plan Section IIA"</u> (the "Improvement Plans") and has prepared the costs estimates for the Improvements which have been approved by the BDPW (the "Cost Estimates").
- 3. <u>PERMISSION TO CONSTRUCT</u> Developer seeks permission from BDPW to proceed with construction of the Improvements pursuant to the Improvements Plans and Cost Estimates.
- 4. <u>LEGAL AUTHORITY</u>. Article VIII of the Charter of the City of Brunswick, Section 16-70, as amended, and Chapter 4, Article 2 of the Code of Ordinances of the City of Brunswick, as amended, Article 5, Section 5.12 C. 5 of the City of Brunswick Zoning Ordinance, as amended, and Article 2, Section 2.5 and Article 4 of the City of Brunswick Subdivision Regulations, as amended, provide that public or private infrastructure improvements required as part of a site plan or

subdivision development proposal be financially guaranteed and constructed by the owner/developer/subdivider pursuant to a public works agreement between the City and the owner/developer/subdivider and that the owner/developer/subdivider provide an irrevocable letter of credit or other satisfactory financial guaranty to the City to guarantee the proper, complete and timely completion of any public improvements associated with the proposed development including but not limited to roads, curbs, gutters, sidewalks, streetlights, water and sewer facilities, stormwater management, and sediment and erosion control facilities and to otherwise protect the health, safety and welfare of the City of Brunswick and its residents.

5. <u>PURPOSE</u>. Developer and City enter into this Agreement for the purpose and intent of satisfying the requirements of the City of Brunswick Zoning Ordinance, Subdivision Regulations, the Code of Ordinances; the Annexation Agreement, policies and regulations of the City of Brunswick as enforced by the BDPW, if applicable, including but not limited to the "Mayor and Council of Brunswick General Conditions and Standard Specifications for Water Mains, Sanitary Sewers and Related Structures" and the "City R/W Obstruction Permit", and the "City of Brunswick Design Manual" and any additions or revisions thereto, and other land development policies and requirements of the City of Brunswick (collectively the "City Requirements") with regard to the Developer's guaranty of construction, timely and proper completion of construction, and dedication and the City's inspection and acceptance of the "Improvements" as hereinafter set forth.

NOW, THEREFORE, in consideration of the aforesaid premises and recitals which are incorporated herein and other good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, the parties hereto do hereby agree as follows.

Developer's Agreement To Timely Complete. The Developer, at its expense, shall construct and achieve "Substantial Completion" of the Improvements (as hereinafter defined) to serve the Property in accordance with the Improvement Plans within six (66) months from the date of this Agreement. Upon Developer's Substantial Completion of the Improvements in accordance with the Improvement Plans, the City will inspect the Improvements and if satisfactorily completed in accordance with the Improvement Plans as determined by the City in a commercially reasonable manner ("Substantial Completion") the Developer will dedicate and the City will conditionally accept the Improvements into the public water and sewer system in accordance with the City Requirements and thereafter the City shall operate said Improvements. The Developer shall provide a one (1) year warranty for the Improvements from the date of Substantial Completion in accordance with the City Requirements. Upon the completion of the one (1) year warranty period, the City shall perform a final inspection of the Improvements. Upon the proper correction by the Developer of any incomplete or unsatisfactory items noted in the final inspection the City shall issue final acceptance of the Improvements in accordance with City Requirements. The Developer agrees to convey or sign any future agreements needed to fulfill the terms of this Agreement. The Developer shall not commence construction of the Improvements until all necessary preconstruction obligations as set forth herein or in the City Requirements are fulfilled. The City shall not be liable to the Developer for any delay or default or for any other reason relating to these Improvements. The Developer will dedicate and convey to the City all necessary easements (at the Developer's sole expense) for the construction and maintenance of the Improvements prior to the City's conditional acceptance of the Improvements.

- 2. <u>Design Specifications And Additional Work</u>. Developer shall construct all Improvements in accordance with the specifications set forth in detail in the Improvement Plans. It is understood and agreed that the City may wish to install improvements in excess of those required under this Agreement to serve the Improvements for the Property. In that event, the City may require information from Developer as to the cost to accomplish both purposes, and the City will pay all costs of the over-sizing in excess of that needed to construct the Improvements necessary to serve the Property.
- 3. <u>Inspection Fees</u>. The Developer will pay estimated inspection fees prior to the commencement of construction of the Improvements in accordance with the current City fee schedule. Developer shall proceed with construction of the Improvements in accordance with the inspection procedures specified by the City Requirements. The City will furnish inspection on all phases of the Improvements. Developer and/or its contractor will notify the City's inspector prior to start of construction of the Improvements. The construction inspection fee shall cover the City's expense related to inspection of the Improvements and shall be payable by the Developer (or the owner of the Property) to the City. All invoices are due and payable by Developer by the 10th of the month following the date of invoice in accordance with the City Requirements. Any additional inspection expense will be paid by Developer as invoiced and prior to conditional or final acceptance of the Improvements by the City. Any unused prepaid inspection fees shall be returned to the Developer (or the owner of the Property as the case may be) upon final acceptance of the Improvements by the City.
- 4. Developer's Obligations And Financial Guaranty. The Developer and/or its contractor for the Improvements, by signature below, agree to adhere to and fulfill the aforesaid obligations and requirements, which are a condition of this Agreement for the sole benefit of the City. The Developer agrees that all costs and expenses incurred by the City in connection with the construction, inspection, and any other costs incurred in relation to the Improvements, including but not limited to enforcement costs, and reasonable attorney's fees shall be borne by the Developer, and are payable as follows:
 - A. <u>Financial Guaranty</u>. The Developer shall arrange for and provide to City a bond and irrevocable letter of credit or cash with an escrow agreement approved by the City including "Secured Funds" from the "Improvement Fund for a Developer Procured Facility" pursuant to the Water and Sewer Agreements (i.e., Section 4.05 of the aforesaid Construction Funding Agreement) assuring the full, complete and faithful performance of this Agreement by Developer (the "Financial Guaranty"). The Financial Guaranty shall be in the minimum amount of the Cost Estimate for the Improvements plus fifteen percent (15%) for contingencies.
 - B. <u>Letters of Credit and Bonds</u>. Any irrevocable letters of credit and bonds submitted by Developer for all or part of the Financial Guaranty must be issued by a bona fide financial institution with an office in the State of Maryland, shall not expire until final acceptance by the City of the Improvements and shall meet all applicable City requirements concerning Financial Guaranties ("Letters of Credit and Bonds").
 - C. <u>Draws On The Financial Guaranty</u>. The Financial Guaranty shall be in form satisfactory to the City and shall provide that the City shall be authorized to draw down part

or all of the Financial Guaranty funds to pay the costs of completing the Improvements in accordance with this Agreement if the Developer fails to do so. Upon conditional acceptance of the Improvements, the City shall reduce the amount of the Financial Guaranty held to the 15% contingency amount as set forth in the Cost Estimate. Upon completion of the one (1) year maintenance period and final acceptance of the Improvements, the City shall release the remaining 15% contingency. The City may, in its sole discretion, reduce the amount of the Financial Guaranty at certain construction milestones at the request of the Developer.

- 5. <u>Default by Developer</u> Should Developer breach any of the provisions of this Agreement, City may at its election, immediately obtain the funds under the Financial Guaranty and complete the Improvements at the sole risk and expense of the Developer or Developer's successors in title to the Property. Upon breach of this Agreement by Developer, Developer shall be liable to City for all of its consequential damages and reasonable attorney's fees.
- 6. Indemnification Developer shall indemnify and hold harmless City from any and all claims, actions and demands, losses and/or damages whatsoever arising from the construction of the Improvements.
- 7. Assignment. This Agreement may not be assigned without the prior written consent of City, which said consent shall not be unreasonably withheld.
- Right of Entry. Developer, its successors and assigns, grants the City, its agents and employees, an irrevocable right to enter upon those portions of the Property upon which Improvements are to be constructed hereunder for the purpose of inspection or otherwise accessing the Improvements.
- 9. Notices. Every notice, approval, consent or other communication authorized or required by this Agreement shall be effective if the same is in writing and sent, postage prepaid, 1) by United States mail or 2) by a recognized overnight delivery service, directed to the other party at its address hereinafter mentioned, or such other address as either of the parties may designate by notice given from time to time in accordance with this paragraph. Notice sent by United States mail shall be deemed to have been received three (3) business days after it is deposited in the mail, and notice sent by a recognized overnight delivery service shall be deemed to have been received one (1) business day after it is sent. Notices necessary and provided in this Agreement shall be mailed to:

For the City:

Mayor and Council of Brunswick
C/O David Dunn, City Administrator
One West Potomac Street
Brunswick, Maryland 21716

For the Developer:

24012 Frederick Road Suite 200 Clarksburg, Maryland 24012

- 10. <u>Counterparts</u>. This Agreement may be executed in several counterparts, each of which shall be original, but all of which shall constitute one and the same instrument.
- 11. <u>Illegality Of Any Provision</u>: In case any provision (or any part of any provision) contained in this Agreement shall for any reason be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provisions (or remaining part of the affected provision) of this Agreement, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision (or part thereof) had never been contained herein but only to the extent it is invalid, illegal or unenforceable. In the event this Agreement, or any part thereof, is determined to be illegal or unenforceable by a court of competent jurisdiction in the State of Maryland and the City has defended any challenge to this Agreement and, if necessary, pursued all reasonably available appeals, the Developer and the City each agree to waive any claim or action for damages it may have against the other party. In the event City is required to defend the Agreement as provided herein, Developer shall reimburse the City for any actual out-of-pocket expenses or costs incurred by the City as a result of such defense. Further, City and Developer shall mutually agree upon the selection of counsel, scope and execution of the defense as it relates to this Agreement.
- 12. <u>Counterparts</u>. This Agreement may be executed in several counterparts, each of which shall be original, but all of which shall constitute one and the same instrument.
- 13. <u>General Provisions</u>. This Agreement sets forth all of the promises, agreements, conditions and understandings between the City and the Developer relative to the subject matter hereof, and there are no promises, agreements, conditions, or understandings, either written or oral, expressed or implied, between them or other than as herein set forth. No subsequent alterations, amendments, changes or additions to this Agreement shall be binding upon the City or Developer unless reduced to writing and signed by each party. Time is of the essence of this Agreement.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals, or caused these presents to be signed by their proper corporate officials and their proper corporate seals to be hereto affixed, on the date and year first above written.

-SIGNATURE AND NOTARY ACKNOWLEDGEMENT PAGES FOLLOW-

WITNESS/ATTEST:	CITY:
	MAYOR AND COUNCIL OF BRUNSWICK
	By: (SEAL) Nathan Brown, Mayor
8 6.48	DEVELOPER:
	BRUNSWICK CROSSING, L/LC
	By: Pleasant Enterprises, Inc., Manager
Abby Cron	By: (SEAL)
	Name: William D. Pleasants, Jr. Title: President
STATE OF MARYLAND, COUNTY OF	Montgowery, to wit:
/I HEREBY CERTIFY, that on this /	May of Maych, 2022, before me, a Notary
Public of the State and County aforesaid, po	ersonally appeared Nathan Brown, Mayor of the City of State of Maryland, and she did acknowledge the
aforegoing instrument to be the act and dee	d of the Council of Brunswick as its presiding officer,
and that he is duly authorized to make this	acknowledgment on its behalf.
WITNESS, my hand and Notarial Se	al.
	CAN M COVER ANN M. COHEN NOTARY PUBLIC
Marine Same Same and Same Same	NOTARY PUBLIC FREDERICK COUNTY MARYLAND My Comm, Expires Jan. 10, 2023
My Commission Expires:	- Joseph
STATE OF MARYLAND, COUNTY O	, TO WIT:
I HEREBY CERTIFY that on this	day of, 20, before me, the
subscriber, a Notary Public in and for the S	tate and County aforesaid, personally appeared
William D. Pleasants, Jr., President of the acknowledged the foregoing instrument to	Manager of Brunswick Crossing, LLC., and he/she be the act and deed of Brunswick Crossing, LLC, as its
President of the Manager, and he c	lid further certify that he is duly authorized, as President
of the Manager of Brunswick Crossing, L WITNESS my hand and Notarial Sea	.L.C., to make this acknowledgement on its behalf. al.
	NOTARY PUBLIC
My Commission Expires:	
APPROVED AS TO LEGAL SUFFICIEN	CY: City Attorney:

CITY OF BRUNSWICK DEPARTMENT OF PUBLIC WORKS CONSTRUCTION COST ESTIMATE FOR ESTABLISHING GUARANTEE AMOUNT

Page 2 of 3

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2A - PVP Extended	24012 Frederick Road	ick Road						-
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Hot Mix Bituminous Asphalt Binder Surface - 1.5"	2,450	\$6.40	λS	\$15,678.58	59	- 59	\$ 15,678.58	8.58
	2,450	\$6.40	SX	\$15,678.58		,	\$ 15,678.58	8.58
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SUBTOTAL: \$
15% CONTINGENCIES: \$
TOTAL COST: \$
GUARANTEE AMOUNT: \$

109,370.15 16,405.52 125,775.67

City of Brunswick Street Summary

Date:

3/14/2022

Subdivision: Brunswick Crossing Section: 2A - PVP Extended

Street Name	Beginning Station	Ending Station	Length (lf)
Potomac View Parkway	86+50.00	94+82.00	832
- Delivery of the second of th			

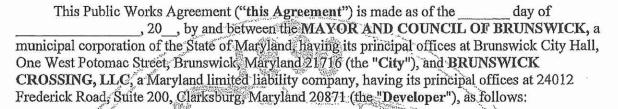
STANDARD

PUBLIC WORKS AGREEMENT

FOR BRUNSWICK CROSSING

CITY OF BRUNSWICK, MARYLAND

Section IIA PVP Extended Public Storm Drain



RECITALS

1. PROPERTY AND IMPROVEMENTS. The Developer is the owner and developer of certain lands in the City of Brunswick, Frederick County, State of Maryland, located on the south side of Maryland Route 17 and the east side of Maryland Route 180, and known and described as the Brunswick Crossing subdivision (the "Property"), upon which and for the benefit of Developer intends to construct those certain public storm drain improvements generally described as:

Section IIA PVP Extended Public Water, Sewer, and Storm Drain Improvements

(the "Improvements"). The Property was annexed into the corporate limits of the City of Brunswick by Resolution No. 02-05 effective May 10, 2002, and pursuant to the terms and conditions of an Annexation Agreement dated March 26, 2002 by and between Brunswick Crossing, L.L.C., et al., and the City (the "Annexation Agreement").

- 2. IMPROVEMENT PLANS. Developer has designed and submitted to the City the engineered construction plans and specifications which have been approved by the City Department of Public Works ("BDPW") and are identified as "Brunswick Crossing Improvement Plan Phase IIA" (the "Improvement Plans") and has prepared the costs estimates for the Improvements which have been approved by the BDPW (the "Cost Estimates").
- 3. <u>PERMISSION TO CONSTRUCT</u> Developer seeks permission from BDPW to proceed with construction of the Improvements pursuant to the Improvements Plans and Cost Estimates.
- 4. <u>LEGAL AUTHORITY</u>. Article VIII of the Charter of the City of Brunswick, Section 16-70, as amended, and Chapter 4, Article 2 of the Code of Ordinances of the City of Brunswick, as amended, Article 5, Section 5.12 C. 5 of the City of Brunswick Zoning Ordinance, as amended, and Article 2, Section 2.5 and Article 4 of the City of Brunswick Subdivision Regulations, as amended, provide that public or private infrastructure improvements required as part of a site plan or

subdivision development proposal be financially guaranteed and constructed by the owner/developer/subdivider pursuant to a public works agreement between the City and the owner/developer/subdivider and that the owner/developer/subdivider provide an irrevocable letter of credit or other satisfactory financial guaranty to the City to guarantee the proper, complete and timely completion of any public improvements associated with the proposed development including but not limited to roads, curbs, gutters, sidewalks, streetlights, water and sewer facilities, stormwater management, and sediment and erosion control facilities and to otherwise protect the health, safety and welfare of the City of Brunswick and its residents.

5. <u>PURPOSE</u>. Developer and City enter into this Agreement for the purpose and intent of satisfying the requirements of the City of Brunswick Zoning Ordinance, Subdivision Regulations, the Code of Ordinances, the Annexation Agreement, policies and regulations of the City of Brunswick as enforced by the BDPW, if applicable, including but not limited to the "Mayor and Council of Brunswick General Conditions and Standard Specifications for Water Mains, Sanitary Sewers and Related Structures" and the "City R/W Obstruction Permit", and the "City of Brunswick Design Manual" and any additions or revisions thereto, and other land development policies and requirements of the City of Brunswick (collectively the "City Requirements") with regard to the Developer's guaranty of construction, timely and proper completion of construction, and dedication and the City's inspection and acceptance of the "Improvements" as hereinafter set forth.

NOW, THEREFORE, in consideration of the aforesaid premises and recitals which are incorporated herein and other good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, the parties hereto do hereby agree as follows.

- Developer's Agreement To Timely Complete. The Developer, at its expense, shall construct and achieve "Substantial Completion" of the Improvements (as hereinafter defined) to serve the Property in accordance with the Improvement Plans within six (6) months from the date of this Agreement. Upon Developer's Substantial Completion of the Improvements in accordance with the Improvement Plans, the City will inspect the Improvements and if satisfactorily completed in accordance with the Improvement Plans as determined by the City in a commercially reasonable manner ("Substantial Completion") the Developer will dedicate and the City will conditionally accept the Improvements into the public water and sewer system in accordance with the City Requirements and thereafter the City shall operate said Improvements. The Developer shall provide a one (1) year warranty for the improvements from the date of Substantial Completion in accordance with the City Requirements. Upon the completion of the one (1) year warranty period, the City shall perform a final inspection of the Improvements. Upon the proper correction by the Developer of any incomplete or unsatisfactory items noted in the final inspection the City shall issue final acceptance of the Improvements in accordance with City Requirements. The Developer agrees to convey or sign any future agreements needed to fulfill the terms of this Agreement. The Developer shall not commence construction of the Improvements until all necessary preconstruction obligations as set forth herein or in the City Requirements are fulfilled. The City shall not be liable to the Developer for any delay or default or for any other reason relating to these Improvements. The Developer will dedicate and convey to the City all necessary easements (at the Developer's sole expense) for the construction and maintenance of the Improvements prior to the City's conditional acceptance of the Improvements.
- 2. <u>Design Specifications And Additional Work</u>, Developer shall construct all Improvements

in accordance with the specifications set forth in detail in the Improvement Plans. It is understood and agreed that the City may wish to install improvements in excess of those required under this Agreement to serve the Improvements for the Property. In that event, the City may require information from Developer as to the cost to accomplish both purposes, and the City will pay all costs of the over-sizing in excess of that needed to construct the Improvements necessary to serve the Property.

- Inspection Fees. The Developer will pay estimated inspection fees prior to the 3. commencement of construction of the Improvements in accordance with the current City fee schedule. Developer shall proceed with construction of the Improvements in accordance with the inspection procedures specified by the City Requirements. The City will furnish inspection on all phases of the Improvements. Developer and/or its contractor will notify the City's inspector prior to start of construction of the Improvements. The construction inspection fee shall cover the City's expense related to inspection of the Improvements and shall be payable by the Developer (or the owner of the Property) to the City. All invoices are due and payable by Developer by the 10th of the month following the date of invoice in accordance with the City Requirements. Any additional inspection expense will be paid by Developer as invoiced and prior to conditional or final acceptance of the Improvements by the City. Any unused prepaid inspection fees shall be returned to the Developer (or the owner of the Property as the case may be) upon final acceptance of the as the cas Improvements by the City
- 4. <u>Developer's Obligations And Financial Guaranty</u>. The Developer and/or its contractor for the Improvements, by signature below, agree to adhere to and fulfill the aforesaid obligations and requirements, which are a condition of this Agreement for the sole benefit of the City. The Developer agrees that all costs and expenses incurred by the City in connection with the construction, inspection, and any other costs incurred in relation to the Improvements, including but not limited to enforcement costs, and reasonable attorney's fees shall be borne by the Developer, and are payable as follows:
 - A. Financial Guaranty. The Developer shall arrange for and provide to City a bond and irrevocable letter of credit or cash with an escrow agreement approved by the City including "Secured Funds" from the "Improvement Fund for a Developer Procured Facility" pursuant to the Water and Sewer Agreements (i.e., Section 4.05 of the aforesaid Construction Funding Agreement) assuring the full, complete and faithful performance of this Agreement by Developer (the "Financial Guaranty"). The Financial Guaranty shall be in the minimum amount of the Cost Estimate for the Improvements plus fifteen percent (15%) for contingencies.
 - B. <u>Letters of Credit and Bonds</u>. Any irrevocable letters of credit and bonds submitted by Developer for all or part of the Financial Guaranty must be issued by a bona fide financial institution with an office in the State of Maryland, shall not expire until final acceptance by the City of the Improvements and shall meet all applicable City requirements concerning Financial Guaranties ("Letters of Credit and Bonds").
 - C. <u>Draws On The Financial Guaranty</u>. The Financial Guaranty shall be in form satisfactory to the City and shall provide that the City shall be authorized to draw down part or all of the Financial Guaranty funds to pay the costs of completing the Improvements in

accordance with this Agreement if the Developer fails to do so. Upon conditional acceptance of the Improvements, the City shall reduce the amount of the Financial Guaranty held to the 15% contingency amount as set forth in the Cost Estimate. Upon completion of the one (1) year maintenance period and final acceptance of the Improvements, the City shall release the remaining 15% contingency. The City may, in its sole discretion, reduce the amount of the Financial Guaranty at certain construction milestones at the request of the Developer.

- 5. <u>Default by Developer</u>. Should Developer breach any of the provisions of this Agreement, City may at its election, immediately obtain the funds under the Financial Guaranty and complete the Improvements at the sole risk and expense of the Developer or Developer's successors in title to the Property. Upon breach of this Agreement by Developer, Developer shall be liable to City for all of its consequential damages and reasonable attorney's fees.
- 6. <u>Indemnification</u> Developer shall indemnify and hold harmless City from any and all claims, actions and demands, losses and/or damages whatsoever arising from the construction of the Improvements.
- 7. Assignment. This Agreement may not be assigned without the prior written consent of City, which said consent shall not be unreasonably withheld.
- 8. Right of Entry. Developer, its successors and assigns, grants the City, its agents and employees, an irrevocable right to enter upon those portions of the Property upon which Improvements are to be constructed hereunder for the purpose of inspection or otherwise accessing the Improvements.
- 9. Notices Every notice, approval, consent or other communication authorized or required by this Agreement shall be effective if the same is in writing and sent, postage prepaid, 1) by United States mail or 2) by a recognized overnight delivery service, directed to the other party at its address hereinafter mentioned, or such other address as either of the parties may designate by notice given from time to time in accordance with this paragraph. Notice sent by United States mail shall be deemed to have been received three (3) business days after it is deposited in the mail, and notice sent by a recognized overnight delivery service shall be deemed to have been received one (1) business day after it is sent. Notices necessary and provided in this Agreement shall be mailed to:

For the City:

Mayor and Council of Brunswick
C/O David Dunn, City Administrator
One West Potomac Street
Brunswick, Maryland 21716

For the Developer:

24012 Frederick Road Suite 200 Clarksburg, Maryland 24012

- 10. <u>Counterparts</u>. This Agreement may be executed in several counterparts, each of which shall be original, but all of which shall constitute one and the same instrument.
- 11. <u>Illegality Of Any Provision</u>: In case any provision (or any part of any provision) contained in this Agreement shall for any reason be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provisions (or remaining part of the affected provision) of this Agreement, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision (or part thereof) had never been contained herein but only to the extent it is invalid, illegal or unenforceable. In the event this Agreement, or any part thereof, is determined to be illegal or unenforceable by a court of competent jurisdiction in the State of Maryland and the City has defended any challenge to this Agreement and, if necessary, pursued all reasonably available appeals, the Developer and the City each agree to waive any claim or action for damages it may have against the other party. In the event City is required to defend the Agreement as provided herein, Developer shall reimburse the City for any actual out-of-pocket expenses or costs incurred by the City as a result of such defense. Further, City and Developer shall mutually agree upon the selection of counsel, scope and execution of the defense as it relates to this Agreement.
- 12. <u>Counterparts</u>. This Agreement may be executed in several counterparts, each of which shall be original, but all of which shall constitute one and the same instrument.
- 13. General Provisions. This Agreement sets forth all of the promises, agreements, conditions and understandings between the City and the Developer relative to the subject matter hereof, and there are no promises, agreements, conditions, or understandings, either written or oral, expressed or implied, between them or other than as herein set forth. No subsequent alterations, amendments, changes or additions to this Agreement shall be binding upon the City or Developer unless reduced to writing and signed by each party. Time is of the essence of this Agreement.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals, or caused these presents to be signed by their proper corporate officials and their proper corporate seals to be hereto affixed, on the date and year first above written.

-SIGNATURE AND NOTARY ACKNOWLEDGEMENT PAGES FOLLOW-

WITNESS/ATTEST:	CITY:
	MAYOR AND COUNCIL OF BRUNSWICK
	By: (SEAL) Nathan Brown, Mayor
د ن	DEVELOPER:
	BRUNSWICK CROSSING, IAC
	By: Pleasant Enterprises, Inc., Manager
	By: (SEAL)
	Name: William D. Pleasants, Jr. Title: President
STATE OF MARYLAND, COUNTY O	OF Management, to wit:
I HEREBY CERTIFY, that on this	Hoday of Maych , 2022, before me, a Notary
Public of the State and County aforesaid,	personally appeared Nathan Brown, Mayor of the City of
Brunswick, a municipal corporation of the	e State of Maryland, and he did acknowledge the eed of the Council of Brunswick as its presiding officer,
and that he is duly authorized to make this	s acknowledgment on its behalf.
L R	
WITNESS, my hand and Notarial S	Seal.
	Cimm III Castle
Mary Mary Company	NOTARY PUBLIC ANN M. COHEN NOTARY PUBLIC FREDERICK COUNTY
My Commission Expires:	MARYLAND MARYLAND My Comm, Expires Jan, 10, 2023
STATE OF MARYLAND, COUNTY O	
I HEREBY CERTIFY that on this	day of , 20 , before me, the
subscriber, a Notary Public in and for the	State and County aforesaid, personally appeared
william D. Pleasants, Jr., President of the	ie Manager of Brunswick Crossing, LLC., and he/she to be the act and deed of Brunswick Crossing, LLC, as its
President of the Manager and he	e/she did further certify that he/she is duly authorized, as
	Crossing, L.L.C., to make this acknowledgement on its
behalf. WITNESS my hand and Notarial S	Seal.
	NOTARY PUBLIC
My Commission Expires:	

CITY OF BRUNSWICK DEPARTMENT OF PUBLIC WORKS CONSTRUCTION COST ESTIMATE FOR ESTABLISHING GUARANTEE AMOUNT

Page 3 of 4

BALANCE REMAINING ITEMIZED RELEASE REQUEST THIS REQUEST RELEASED TO DATE \$2,421.60 \$2,266.10 \$2,200.00 \$2,500.00 \$3,700.00 \$4,400.00 \$5,500.00 \$13,540.00 \$2,600.00 TOTAL EA Macris, Hendricks & Glascock, P.A. 9220 Wightman Road, Suite 120 Montgomery Village, MD 20886 (301) 670 - 0840 \$52.70 \$2.200.00 \$2.500.00 \$3.800.00 \$3.800.00 \$4.400.00 \$2.790.00 OWNER: Brunswick Crossing, L.L.C. 24012 Frederick Road Clarksburg, Maryland 20871 (301) 428-0800 \$2,600.00 QUANTITY ENGINEER: 242 43 Section: ZA - PVP Extended
Public Storm Drain Pipe Cost Estimate
(BOND ESTIMATE) Public Storm Drain Pipe Cost Estimate TEM MSHA 374.04 WR Inlet
MSHA 374.04 WR Inlet
MSHA 374.31 COGCOS Inlet 5'
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MSHA 374.31 COGCOS Inlet 15'
MSHA 374.31 COGCOS Inlet 20'
MSHA 384.01 Manhole 48" MSHA 384.07 Manhole 84" Brunswick Crossing Brunswick, Maryland MSHA 378.11 Type TK RCP Class IV 15" March 14, 2022 LOCATIONS

49,007.70 7,351.16 56,358.86 \$49,007.70 \$ \$7,351.16 \$56,358.86 \$56,358.86 SUBTOTAL: \$
15% CONTINGENCIES: \$
TOTAL COST: \$
GUARANTEE AMOUNT: \$

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City of Brunswick Storm Drain Quantity by Street

Date:

3/14/2022

Subdivision: Brunswick Crossing

Section: 2A - PVP Extended

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Structure #	1002 1003	519 518 516 514A	515A 515 514	
	otomac View Parkway			

ION TOTALS		15"	18"	21"	24"	27"	30"	33"	36"	42"	48"	54"	.99
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ASS	≥	242	0	0	\$	0	0	0	0	0	0	0	0
ASS	>	0	0	0	0	0	0	0	0	0	0	0	0

Mayor & Council
Brunswick Crossing - Water & Sewer
Letter of Credit Release
Final Release
Sewer Outfall S-6
Staff Report
April 12, 2022

BACKGROUND:

At the May 27, 2008, Mayor & Council meeting the PWA for the Sewer Outfall S-6 was approved. A Letter of Credit (SB-911516-0001) in the amount of 156,554.10 (One hundred fifty-six thousand five hundred fifty-four dollars and ten cents) has been held in place for completion of the path system in this area. Public Works assumed maintenance of the Sewer during the warranty period. The warranty period has been met, Public Works has completed inspections and the applicant Brunswick Crossing LLC is requesting Final Acceptance be granted. Frederick County Released the final inspection on 3/16/2022.

ANALYSIS:

The Sewer Outfall S-6 has been approved for release by the Mayor and Council, Public Works, and Frederick County.

RECOMMENDATION:

Staff recommends that Mayor & Council consent to final release of Letter of Credit SB-911516-0001 in the total amount of \$156,554.10.



FREDERICK COUNTY GOVERNMENT

DIVISION OF PLANNING & PERMITTING

Department of Permits & Inspections

AUTHORIZATION TO RELEASE, REDUCE OR MODIFY SECURED FUNDS

DATE:

3/14/2022

THIS LETTER RECOMMENDS AND AUTHORIZES THE MUNICIPALITY NAMED HEREIN:

TOWN OF BRUNSWICK BRUNSWICK CITY HALL 1 WEST POTOMAC STREET BRUNSWICK, MD 21716-

TO RELEASE FUNDS IN THE AMOUNT IDENTIFIED FROM THE ACCOUNT OF:

MORGAN ETTERS
PLEASANTS DEVELOP./WOOD PK LLC
24024 Frederick Rd.
Suite 200
Clarksburg, MD 20871
metters@pleasants.org

PROJECT NAME: BRUNSWICK CROSSING SEWER EXT

Pe	rmit Numbe	er and Accou	nt Information		
MJ	60235	3241	SB-911516-0001	RECOMMENDED RELEASE:	\$156,554.10
	*			TOTAL AUTHORIZED FOR RELEASE:	\$156,554.10

FREDERICK COUNTY AUTHORIZED REPRESENTATIVE

Eric Dodson, Chief Environmental Inspector



PLEASANTS DEVELOPMENT, LLC | 24012 Frederick Rd. | Suite 200 | Clarksburg, MD 20871 | T 301428-0800

J. DAN FRYER, P.E. PROJECT MANAGER EXTENSION: 1087 EMAIL: DFRYER@PLEASANTS.ORG

March 31, 2022

Mr. Bruce Dell Planning and Zoning Administrator City of Brunswick 1 West Potomac Street Brunswick, MD 21716

Reference: Final Release Request for Brunswick Crossing Sewer Outfall, FC MJ-60235, City of Brunswick, LOC # SB911516-0001

Dear Mr. Dell:

We are requesting final release of funds concerning the Brunswick Crossing Sewer Outfall. The work has been properly completed and inspected.

Please find enclosed the originally approved PWA and cost estimate and supporting documentation from Frederick County.

Original LOC Amount Posted -

\$156,554.10

LOC Final Requested -

\$156,554.10

Thank you for your assistance on this matter and please contact me at 301-428-0800 with any questions.

Sincerely,

Morgan L. Etters

Morgan L. Etters

Project Manager

Pleasants Development, LLC

Purchase Orders

PO Proof List

User: Printed: Batch:

jmose 03/22/2022 - 11:11AM 00033.03.2022 - PW03222022JM

Amount	\$25,000.00
Account Description	Linc Replacement (DPW)
Acet No.	20-532-23-8008
PO Date	3/22/2022
Vendor Name	Water Loss Systems Inc
cription Vendor No.	sction Survey 12176
Ship Location Line Item Description PO No. Vend	Water Leak Detection Survey 0000220242 12176

Onty

0.00

0.00

\$25,000.00

Grand Total:



Water Loss Systems, Inc.

26409 Aiken Drive Clarksburg, MD 20871 301.253.0040 japolenis@WaterLossSystems.com www.WaterLossSystems.com

Estimate

ADDRESS

John Gerstner City of Brunswick, MD 600 Petersville Rd Brunswick, MD 21716 SHIP TO

John Gerstner City of Brunswick, MD 600 Petersville Rd Brunswick, MD 21716 ESTIMATE

1055

DATE EXPIRATION 03/17/2022 06/17/2022

DATE

SALES REP JRA

DATE	SERVICE	DESCRIPTION	QTY	RATE	AMOUNT
03/17/2022	Leak Detection, MD	WLS will perform a system-wide leak detection survey on approximately 46.6 mi of underground water line.	1	25,000.0 0	25,000.00

TOTAL \$25,000.00

Accepted By

Accepted Date

Purchase Orders

PO Proof List

User: Printed: Batch:

lspring 03/29/2022 - 1:42PM 00039.03.2022 - 2022-03-29 LAS-1

Onty		0.00	0.00	
Amount		\$77,279.01	\$77,279.01	
Account Description		WB Tower move		
Acct No.		30-540-19-8509 W		
PO Date		3/28/2022		
Vendor Name		RFP Inc		
scription Vendor No.		11597		
Ship Location Line Item Description PO No. Vendo	W B Tower	0000220248		

0.00

\$77,279.01

Grand Total:



RFP Inc

7303 Old Middletown Rd Middletown, MD 21769

11597

P.O. No.

Invoice

Date	Invoice #
3/28/2022	2143

Project

Bill To

City Administrator
City Hall
1 West Potomac St.
Brunswick, Md. 21716



Terms

			Net 30	Railroad Tower
Quantity	Description	Rate	Amount	
	Original estimated cost: Credited actual cost: Add'l rebar installation:		-9,	771.60 80,771.60 692.59 -9,692.59 200.00 6,200.00
	30-540-19-85	D9		
				_
	à.			
b Supervisor	Abby Ingram		Total	\$77,279.0

Lauren Spring

From:

Bruce Dell

Sent:

Monday, March 28, 2022 4:03 PM

To:

Accounts Payable

Cc:

David Dunn; Abigail Ingram; Rikki Bruchey

Subject:

RE: Invoice 2143 from RFP Inc

Attachments:

Inv_2143_from_RFP_Inc_8564 (003).pdf

Follow Up Flag:

Follow up

Flag Status:

Flagged

Ok to process under account 30-540-19-8509

Thanks

Bruce R. Dell
Director of Planning
City of Brunswick
601 E. Potomac Street
Brunswick, Md 21716
301-834-7500 ext. 300
planner@brunswickmd.gov

From: David Dunn

Sent: Monday, March 28, 2022 2:57 PM
To: Bruce Dell <Planner@Brunswickmd.gov>

Cc: Accounts Payable <AccountsPayable@Brunswickmd.gov>; Abigail Ingram <AIngram@brunswickmd.gov>

Subject: RE: Invoice 2143 from RFP Inc

Yes.

From: Bruce Dell

Sent: Monday, March 28, 2022 2:49 PM
To: David Dunn < DDunn@Brunswickmd.gov >

Cc: Accounts Payable < Accounts Payable @Brunswickmd.gov >; Abigail Ingram < Alngram@brunswickmd.gov >

Subject: FW: Invoice 2143 from RFP Inc

Dave are you ok with the reduction of 9692.59 for the cement and sill plat that Eric is going to do to finish foundation?

Bruce R. Dell
Director of Planning
City of Brunswick
601 E. Potomac Street
Brunswick, Md 21716
301-834-7500 ext. 300
planner@brunswickmd.gov

From: Abigail Ingram

Sent: Monday, March 28, 2022 2:40 PM
To: Bruce Dell < Planner@Brunswickmd.gov>

Cc: Accounts Payable < Accounts Payable @Brunswickmd.gov >

Subject: FW: Invoice 2143 from RFP Inc

Lauren,

Hold on this until we can confirm the tasks performed. We'll be in touch!

Thanks!

Abby

Abigail Ingram
Project Coordinator
City of Brunswick | Planning+Zoning

From: "Intuit E-Commerce Service" <quickbooks@notification.intuit.com>

Sent: Monday, March 28, 2022 2:30 PM

To: Accounts Payable < Accounts Payable @Brunswickmd.gov >

Cc: Abigail Ingram < Alngram@brunswickmd.gov>

Subject: Invoice 2143 from RFP Inc

Dear Charles Crummitt:

Your invoice-2143 for 77,279.01 is attached. Please remit payment at your earliest convenience.

Thank you for your business - we appreciate it very much.

Sincerely, RFP Inc

(301) 473-4989

To view attachment

Open the attached PDF file. You must have Acrobat® Reader® installed to view the attachment.

PO Proof List

User: Printed: Batch:

lspring 04/05/2022 - 2:58PM 00002.04.2022 - 2022-04-05 LAS-1

ıt Qnt <u>y</u>			00.00		00.00	00.00	
Amount			\$10,300.00		\$10,300.00	\$20,600.00	
Account Description			WB Tower move		WB Tower move		
Acct No.			30-540-19-8509		30-540-19-8509		
PO Date			4/5/2022		4/5/2022		
Vendor Name			Wolfe House Movers LLC		Wolfe House Movers LLC		
ription Vendor No.		122/	11999	- Carc	11999		
Ship Location Line Item Description PO No. Vend	The state of the s	W B Tower Move	0000220253	W B Tower Move	0000220253		

0.00

\$20,600.00

Grand Total:

WOLFE HOUSE & BUILDING MOVERS

Bill To:

City of Brunswick

601 E. Potomac St

Brunswick, MD 21716

Contact: Andrew St. John

Work Phone: (301) 834-7500

Wolfe House Movers, LLC

10 Birch Lane Bernville, PA 19506 Phone: (610) 488-1020

Fax: (610) 488-8011



INVOICE

Invoice Number	Date	Page
18471	March 30, 2022	1 of 1

Ship To:

100 S. Maple Ave, Brunswick, MD S. Maple Ave Brunswick, MD 21716

Contact: Andrew St. John Work Phone: (301) 834-7500

193500	radio Madicales (Nege	1) 854-7500		work Phone. (3	01) 00 1 7200	
Customer ID	Sales	Person P.O. Number	Ship Date	Ship Via	Terms	
CITBRU	THO	MAS	3/30/2022	Delivery	Due on Recei	ipt
Ordered	Shipped		Description		Unit Price	Extended
1.00	1.00	non-refundable deposit for steel & crib				
1.00	1.00	non-refundable deposit upon signing the	his agreement.			
1.00	1.00	when contractor moves into jobsite to	start this job.		10,300.00	10,300.0
1.00	1.00	when structure arrives at the new locat				
1.00	1.00	S. Maple Ave, Brunswick, MD (CWO				
		3D-540-	19-850	39		
				r		
			Total	Payment: \$0.00	Subtotal	10,300.0
					Freight	
All past due invo	ices will be subj	ect to a finance charge of 1.50% per			, reight	\(\frac{1}{2}\)
month, annual rat		•			Sales Tax	(a-
Customer Sign	nature		Balan	ce Due: \$10,300.00	TOTAL	10,300.0

VOLFEHOUSE & BUILDING MOVER'S

Wolfe House Movers, LLC

10 Birch Lane Bernville, PA 19506 Phone: (610) 488-1020 Fax: (610) 488-8011

INVOICE

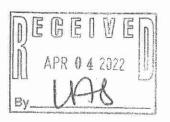
Invoice Number	Date:	Page
18483	April 01, 2022	1 of 1

11999

Bill To:

City of Brunswick 601 E. Potomac St Brunswick, MD 21716

Contact: Andrew St. John Work Phone: (301) 834-7500



Ship To:

100 S. Maple Ave, Brunswick, MD S. Maple Ave Brunswick, MD 21716

Contact: Andrew St. John Work Phone: (301) 834-7500

Customer ID	Sales	Person P.O. Number	Ship Date.	Ship Via	Terms	
CITBRU	THO	MAS	4/1/2022	Delivery	Due on Receip	ot .
Ordered	Shipped		Description		Unit Price	Extended
1.00	1.00	non-refundable deposit for steel & cribbin	ig layout. (PAID)			
1.00	1.00	non-refundable deposit upon signing this	agreement.			
1.00	1.00	when contractor moves into jobsite to star	t this job.			
1.00	1.00	when structure arrives at the new location	L		10,300.00	10,300.00
1.00	1.00	S. Maple Ave, Brunswick, MD (CWO#1)	!			
		30-540-1	9-85	09		
¥						
						,
			Tota	al Payment: \$0.00	Subtotal	10,300.0
					Freight	
All past due inve month, annual ra		ject to a finance charge of 1.50% per			Sales Tax	
Customer Sig	nature		Bala	nce Due: \$10,300.00	TOTAL	10,300.0

MARK-UP S	UMMARY						
PROJECT NAME:		Spring Upgrade and Disinfection	CLIENT: City of B	runswick	ESTIMATED BY: WRA	NA/	
PROJECT LOCATION: Bru		ınswick, MD -	DESIGN SUBMISSION: Construction		WORK ORDER NUMBER: 14422-001	WRA	
	MARKUP	DESCRIPTION			MATERIAL	LABOR	EQUIPMENT
CURCONTRAC	CTOR MARKUPS	and a section of the sec			MARKUP %	MARKUP %	MARKUP %
SUBCONTRAC	TOR WARRUPS	Factors from Means Location Factor Tables			1		
		and City Cost Index Tables to account for		Brunswick			
LO	CATION FACTORS	market conditions at project location		95.80% 86.30%	-4.20%	-13.70%	0.00%
			Equipment		-4.20%	-13.70%	0.00%
WORK REST	RICTION FACTOR/PHASING	This factor adjusts for project specific elemer requirements, limited site access, phasing, et	nts including: restriction o			0.00%	
SALES TAX O	ON MATERIAL & EQUIPMENT	Sales tax may be added to materials costs, e = MD	quipment costs, and sub-	contractor work. State	6.00%		6.00%
ı	LABOR BURDEN					31.08%	
Worl	kers Comp. Insurance	State specific; Means 2022				10.80%	
	Fixed Overhead	Federal and State Unemployment, FICA, Risi	k Insurance & Liability; M	eans 2022		18.30%	
INSTALLING	CONTRACTOR OVERHEAD	Home office overhead for Installing Contractor. This markup is typically in the range of 8 -			10.00%	10.00%	10.00%
INSTALLIN	NG CONTRACTOR PROFIT	Profit for Installing Contractor. This markup is	s typically in the range of	8 - 12%	10.00%	10.00%	10.00%
TOTAL MARKI	UP - SUBCONTRACTOR			7	1.229	1.369	1.283
PRIME CONTR	RACTOR MARKUPS						
GENER	AL REQUIREMENTS & CQC	Job office overhead costs including quality coup, etc. Line items (Div 01) or percentage car including 3% CQC.			10.00%	10.00%	10.00%
Р	RIME OVERHEAD	Home office overhead for Prime contractor, T For small projects self-performed by the Prim		the range of 5 - 10%.	5.00%	5.00%	5.00%
	PRIME PROFIT	Profit for Prime Contractor. This markup is ty projects self-performed by the Prime, this cou		10%. For small	5.00%	5.00%	5.00%
	BOND		The bond is used to pay for completion of construction if the contractor fails to do so. Typically ranges from 0.5% - 2%, depending on Contractor's past performance.			1.00%	1.00%
	ESCALATION	Cost growth (escalation) from the date of the estimate to the estimated mid-point of construction. Source of escalation index = (Means, ENR, NAVFAC, etc.)			4.00%	4.00%	4.00%
DESIGN CONTINGENCY Required to account for cost of unknowns base ranges between 20% (Schematic Design) to 0%			velopment. Typically	15.00%	15.00%	15.00%	
MISC. PRO	DJECT-SPECIFIC MARKUP	Mobilization			0.00%	0.00%	0.00%
TOTAL MARK	UP - PRIME CONTRACTOR				1.465	1.465	1.465
TOTAL MARK	UP - COMBINED				1.800	2.005	1.879

DETAILED COST: BASE BID, DIVISION 03 - CONCRETE Yourtee Spring Upgrade CLIENT: PROJECT NAME: ESTIMATED BY: Filtration and Disinfection City of Brunswick (estimator) Brunswick, MD PROJECT LOCATION: DESIGN SUBMISSION: WORK ORDER NUMBER: Construction 14422-001 UNITOF UNIT COSTS TOTAL COSTS SOURCE QUANTITY ITEM DESCRIPTION TOTAL MEASURE MATERIAL LABOR EQUIPMENT MATERIAL LABOR EQUIPMENT Laborer Remove and reinstall perm. piping Day \$ \$ 255.00 \$ \$ \$ 255 \$ \$ 255 Existing slab demolition 2 Day \$ 1.020 \$ 1,420 2 Laborers 510.00 \$ 200.00 \$ 400 \$ -Hauling demolished materials \$ 255.00 \$ 392.01 255 \$ 392 \$ 647 1 Laborer, 1 truck 1 Day \$ Elevated cast-in-place slab CY 3,332 03 30 53 40 2700 4 \$ 390.00 405.00 \$ 38.00 \$ 1,560 \$ 1,620 \$ 152 \$ \$ Estimate Crystaline admix 4 CY \$ 50.00 200 \$ \$ \$ 200 Labor: 08 31 13 35 1500: Aluminum access hatch EA 1,000.00 \$ 139.00 \$ \$ 1,000 \$ 139 \$ \$ 1.139 1 Material; estimate Epoxy coating - material 1 LS 100.00 \$ \$ 100 \$ \$ \$ 100 Estimate Epoxy coating - labor Day 255.00 \$ 255 \$ \$ 255 Laborer \$ \$ \$ 05 51 33 13 0400 FRP Ladder VLF \$ \$ 16.50 \$ 214 \$ 66 \$ 7 \$ 287 4 53.50 1.74 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ -\$ \$ SUBTOTAL DIRECT COSTS 951 \$ 7.635 \$ 3.074 \$ 3,610 \$ SUBCONTRACTOR MARKUP 703 \$ 1,331 \$ 269 \$ \$ 2,303 SUBTOTAL \$ 1,220 \$ 9,938 3,777 \$ 4,941 \$ PRIME CONTRACTOR MARKUP \$ 1,756 \$ 2,297 \$ 567 \$ 4,621 BASE BID DIVISION 3 - TOTAL COSTS \$ 5,533 \$ 7,239 \$ 1,787 \$ 14,559

- COORDINATE ALL ACTIVITIES, INCLUDING THOSE OF SUBCONTRACTORS, WITH THE OWNER.
- NOT ALL OPENINGS IN THE STRUCTURAL WORK ARE SHOWN, REVIEW ALL DRAWINGS FROM OTHER DISCIPLINES AND COORDINATE ALL OPENINGS AND EMBEDDED TRUS SUCH AS SLEEVES, ANCHORS, CONDUITS, ETC. THAT WILL BE INCORPORATED MITO THE STRUCTURAL WORK.
- THE DRAWINGS SHOW THE FINAL CONDITION OF THE STRUCTURES. PROVIDE MEANS TO STABILIZE THE STRUCTURES DURING ALL TEMPORARY CONDITIONS.
- THE SIZES AND LOCATIONS OF FOURHENT PADS AND PEDESTALS AS WELL AS THE SEES AND LOCATION OF ECONOMINE THAS AND PLUSTICS, AS THELL IS COUPLIED. THE THE FLOOR AND WALL OPENINGS, ARE DEPENDENT ON THE ACTUAL EQUIPMENT PROVIDED, YEARY AND COORDINATE ALL SUCH HEILS, DO NOT ALTER DIALPSONS ON THISE BRANKINGS WITHOUT APPROVAL OF THE ENGREER, STRUCTURAL DRAWNOS MAY NOT SHOW ALL EQUIPMENT PADS AND OTHER COUPLIENT SUPPORTS REQUIRED, REFER TO
- SCALES NOTED ON THE DRAWINGS ARE FOR GENERAL INFORMATION ONLY, DO NOT OBTAIN DIMENSIONAL INFORMATION FROM DIRECT SCALING OF THE DRAWINGS.

- CONSTRUCT MASONRY IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE ACI-530/ ASCE 5/ TMS 402, (2013) 'BUILDING CODE REQUIREMENTS FOR WASDING STRUCTURES' AND ACI 530.1/ ASCE 6/ TWS 502 "SPECIFICATION FOR MASONRY STRUCTURES".
- 2. PROVIDE HOLLOW LIGHTWEIGHT LOAD-BEARING CONCRETE MASONRY UNITS MEETING THE REQUIREMENTS OF ASTM C90.
- PROVIDE MORTAR CONFORMING TO THE REQUIREMENTS OF ASTM C-270, TYPE M OR S. CEMENT USED FOR MORTAR MUST BE PORTLAND CEMENT.
- PROVIDE GROUT CONFORMING TO THE REQUIREMENTS OF ASTM C476 COARSE CROUT, WITH A MINIMUM COMPRESSME STRENGTH EQUAL TO OR GREATER THAN THE SPECIFIED COMPRESSIVE STRENGTH OF MASONRY (F'M) BUT NOT LESS THAN 2,000 PSI AT 28 DAYS.
- 5. PROVIDE CONCRETE MASONRY WITH A MINIMUM COMPRESSIVE STRENGTH (F'M) OF 2,000 PSI. PROVIDE CONCRETE MASONRY UNITS WITH A SPECIFIED MINIMUM NET AREA COMPRESSIVE
- 6. PROVIDE REINFORCING STEEL CONFORMING TO ASTM A515, CRADE 60, DEFORMED BARS.
- 7. LAY MASONRY IN RUNNING BOND AND INTERLOCK MASONRY AT WALL INTERSECTIONS, UHLESS
- REINFORCE MORTAR JOINTS OF MASONRY WALLS WITH HORIZONTAL JOINT REINFORCING AT 16° ON CENTER MAXIMUL PROVIDE 9 GUIGE LADDER-TYPE HORIZONTAL JOINT REINFORCING CONFORMING TO ASTIM A1064.
- PROVIDE CONTINUOUS BOND BEAMS AT THE TOP OF WALLS, AT BEARING ELEVATIONS, AND AT 2.
 DTHER LOCATIONS SPECIFIED ON THE DRAWINGS.

FIBER REINFORCED POLYMER (FRP) GRATING AND FRAMING

- PROVIDE FRP GRATING AND FRAMING FOR ALL PLATFORM COMPONENTS IN THE FILTER ROOM (ROOM 102), HARDWARE AND FASTENERS MUST BE STAINLESS STEEL.
- PROVIDE 1-1/2" DEEP BY 1-1/2" SQUARE MESH MOLDED FRP CRATING BY FIBERCRATE. PROVIDE GRATING WITH SHOP APPLIED CONER CONSISTING OF 1/8" DEEP FRP PLATE WITH
- ALL FRP WORK MUST COMPLY WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS FOR HANDLING, FABRICATION, AND INSTALLATION.
- 5. SHOW GRATING ATTACHMENT TO STRUCTURE ON SHOP DRAWINGS.
- Band outside edges of all grating and all openings in grating using bars of the sake depth as the bearing bars.
- REVIEW ALL DRAWINGS FROM OTHER DISCIPLINES AND COORDINATE ALL OPENINGS SUCH AS PIPES, COMBURIS, ETC. THAT WILL PRETENTATE THE GRATING, BAND THE OPENINGS USING BARS 6. OF THE SMUE OPPTH AS THE BEARING BARS.

- INTERNATIONAL BUILDING CODE IBC (2018), INCLUDING THE MODIFICATIONS MADE BY LOCAL
- 2. AMERICAN SOCIETY OF CIVIL ENGINEERS ASCE 7 (2010), "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"



PROFESSIONAL CERTIFICATION

"I HEREIT CERTIFY THAT THESE DOCUMENTS THERE
PREPARED OR APPROPRIATE IN ME, AND THAT I, AM A DULY
LUCEISED PROFESSIONAL ENGINEER UNDER THE LAWS OF
THE STATE OF MARTHAND," LICENSE NO. 25879,
DECENTATION DUTE 10/2/18/2013.



- 1. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR DEMOLITION AND NEW WORK PLAN VIEWS,
- MANUFACTURER QUALIFICATIONS MUST INCLUDE CERTIFICATION BY THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC) OR THE AMERICAN PLYWOOD ASSOCIATION (APA).
- SAWN TIMBER MEMBERS MUST BE SOUTHERN PINE GRADE SELECT STRUCTURAL, VISUALL' GRADED, OR APPROVED EQUAL. THE REFERENCE DESIGN VALUES MUST MEET OR EXCEED THE VALUES FOR "SOUTHERN PINE SELECT STRUCTURAL" AS INDICATED IN NDS-2018 "DESIGN VALUES FOR WOOD CONSTRUCTION."
- PROVIDE TYPE 316 STAINLESS STEEL BOLTS, HEX HEAD NUTS, AND WASHERS FOR ALL FRAMING CONNECTIONS, CONFORMING TO ASTM F593 AND F594.
- 5. ALL STRUCTURAL WOOD MEMBERS MUST BE TREATED WITH PRESERVATIVES
- UNLESS OTHERWISE NOTED ON DRAWINGS, CONNECTIONS FOR WOOD MEMBERS MUST BE IN ACCORDANCE WITH IBC 2018, TABLE 2304.10.1.
- PLYWOOD (STRUCTURAL PANEL) CONSTRUCTION:
 A. ROOF SHEATHING ON EXTERIOR SIDE OF ROOF JOISTS IS STRUCTURAL
 B. PLYWOOD ON INTERIOR OF WALLS IS STRUCTURAL
- . PLYWOOD THICKNESS: AS INDICATED. . ROOF SHEATHING GRADE: STRUCTURAL I
- SHEATHING PANEL ROOF LAYOUT: CASE I AS SPECIFIED IN IBC 2018 TABLE 2306.2(1),
- BLOCKED. F. PLYMOOD PANEL WALL LAYOUT: STAGGER HORIZONTAL JOINTS.
- C. HAIL SIZE: 100 (STAINLESS STEEL)
- H. MAXIMUM IMEL SPACING: 6" AT DIAPHRAGM OR WALL BOUNDARIES AND ALL SUPPORTED EDGES; 12" AT ALL INTERMEDIATE FRAMING MEMBERS AND STUDS.

1. FASTENER PENETRATION INTO SUPPORTING FRAMING: MINIMUM 1-1/2".

POST INSTALLED ANCHOR NOTES:

- THE ADHESIVE ANCHOR SYSTEM USED FOR POST INSTALLED ANCHORAGE TO CONCRETE MUST CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY PUBLISHED ACI 355.4, "ACCEPTANCE CRITERIA FOR QUALIFICATION OF POST-INSTALLED ADHESIVE ANCHORS CONCRETE AND COMMENTARY." EACH ADHESIVE ANCHOR SYSTEM MUST SATISFY THE STRENGTH REQUIREMENTS FOR ITS USE, BIUN-MIKED ADHESIVES ARE NOT PERMITTED. ADHESIVE ANCHORAGE DESIGN IS IN ACCORDANCE WITH ACI 318-14. ADHESIVE ANCHORS IN CONC MUST BE QUALIFIED FOR USE IN CRACKED CONCRETE IN ACCORDANCE WITH ACI 355.4. CONCRETE PROVIDE THE FOLLOWING ANCHOR SYSTEMS, OR APPROVED EQUALS:
- A ANCHORAGE TO CONCRETE
 L HILTI HIT-HY 200 WITH HILTI HIT-Z-R ROD OR HAS-R THREADED ROD.

- 8. ANCHORAGE TO CONCRETE MASONRY OR BRICK L. HILTI HIT—HY 270 MASONRY ADHESNE ANCHORING SYSTEM WITH HILTI HAS—R THREADED
- ii. PROMDE MESH SLEEVE AT HOLLOW WASONRY LOCATIONS
- THE MECHANICAL ANCHOR SYSTEM USED FOR POST INSTALLED ANCHORAGE TO CONCRETE MUST CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY PUBLISHED ACI 355.2, MUST CONTROL OF POST-BISTALLED MICHANIZA, MICHENIZA PUBBISHER AND SOUMENTANT.

 DICH MICHANIZA, ANCHOR STEEM MUST SKIETY HE STRENGTH REQUIREMENTS FOR MICHANIZA, ANCHOR STEEM MUST SKIETY HE STRENGTH REQUIREMENTS FOR MICHANIZA, ANCHOR STEEM MUST SKIETY HE STRENGTH REQUIREMENTS FOR MICHANIZA, ANCHOR STEEM OF MICHANIZA, ANCHOR STEEM CONCRETE MICHANIZA, ANCHOR STEEM CONCRETE MICHANIZA, WHICH AS STRENGTH, STEEM OF ANCHOR CONCRETE MICHANIZA, WHICH AS STRENGT, OR APPROVED COUNTS.
 - A. ANCHORAGE TO CONCRETE MASONRY OR BRICK E. HILTI HEC
- Adhesive anchors to concrete imsonity or brick are not alloned in the clear well 9. Detail all spuces for reinforcing bars not dimensioned on the drawings 24. 2
- 3. PROVIDE TYPE 316 STAINLESS STEEL ANCHORS.
- 4. CONCRETE AT THE TIME OF ADHESIVE ANCHOR INSTALLATION MUST HAVE A MINIMUM AGE OF

- 7. PROVIDE THOROUGHLY CLEANED ANCHOR HOLES PRIOR TO ADHESIVE INJECTION, AS REQUIRED BY THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, PROTECT DRILLED AND CLEANED ANCHOR HOLES FROM CONTAMINATION UNTIL THE ADHESNE IS INSTALLED.
- B. PROVIDE ANCHORS CLEAN, OIL-FREE, AND FREE OF LOOSE RUST, PAINT, OR OTHER COATINGS.
- 9. PROVIDE INSTALLED ADHESIVE ANCHORS SECURELY FIXED IN-PLACE TO PREVENT
- DESIGN BASIS FOR ADHESIVE AND MECHANICAL ANCHORS IS INDICATED ABOVE. SUBSTITUTIONS WILL BE CONSIDERED, BUT PRODUCT WUST MEET OR EXCEED ALL CRITERIA OF THE SPECIFIED Anchor, Substitution Reducts's Must be approved in Warning by the enoneer prior to use, provide Product data and Calculations demonstrating the substituted product is capable of Acheron the performance of the Specifed Product. Substitutions will be evaluated by their having an ICC est showing Compliance with SUBSTITUTIONS WILL BE ENALURED BY I HERE WORKER OF THE CELLWARD SUBSTITUTION OF THE SELECTION SUBSTITUTION CODE OF THE SELECTION SUBSTITUTION CODE OF THE SELECTION SUBSTITUTION CODE OF THE SELECTION SUBSTITUTION S EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURES AND INSTALLATION TEMPERATURE.

- 1. SOUND CONCRETE WITH A MASON'S HAWKER TO DETERMINE THE EXTENT OF THE DAMAGED CONCRETE. 1.
- REMOVE DETERORATED, HOLLOW SOUNDING CONCRETE AND OLD PATCHES USING 15 POUND PHEMIATIC CHIPPING HAMBER WHIT CHISEL COMPETERLY REMOVE DETERORATE MATERIAL TO SOUND CONCRETE PREE OF DELAMINATIONS, SPALIS, PATCHES, AND CORROC REPAR AREA 1/2" IN DEPTH TO PROVIDE SMOOTH SURFACE, DO NOT CUT RENFORCING STEEL
- at exposed reinturcing steel, reinne additional concrete as redared to provide a uninum of $J/^4$ classing around all reinturcing steel, ours should be taken not to diamog endurouse. Rediturcing and analysis designing was the repaired at no additional cost
- CLEAN (SAMBRAST) ALL RIST FROM EXPOSED RENFROND STEEL TO BREE METAL PROVINCE ADDITIONAL RENFORCEMENT SO THAT TUTAL CROSS—SECTIONAL AREA OF EXISTING STEEL FULL NEW STEEL EDWALS OR EXCESS ORICANAL CROSS—SECTIONAL AREA. EXTEND RENFORCING BASS BETOND
- REMOVE RUST, DIRT, DUST, OIL, BOND INHIBITING MATERIALS, AND ALL OTHER CONTAMINANTS FROM CONCRETE SURFACE THAT IS TO RECEIVE REPAIR MATERIAL, CONCRETE SURFACE SHALL HAVE A RACTURED ACCRECATE SURFACE WITH A MINIMUM SURFACE AMPLITUDE OF PLUS OR MINUS 1/16"
- CONT CONCRETE SURFACE WITH EPOXY—BOOFIED, CENERITIOUS BOHOMS AGENT, BUSS OF DESCH IS
 SNA ARABITE 110 EPOCEN BY SNA CERFORATION, SUBSTRIVE USET BE SURFACED BY
 FROM TO PACKEDIN SURFACE PROMATION, RUGBE PROCEDURE, AND PACKETION SHALL CONCRETING
 ALL LOADS ROCKATED BELOW ARE UNFACTORED TO THE WANTERCTHREE'S RECONNENDATIONS
- PROMOE POLYMER-MODIFIED, PORTLAND CEMENT MORTAR/CONCRETE TO INFILL THE SPALLED/DAMAGED PROVINCE POLITICE—BOUNDED, PORTIONO CUBIN BORRAY/CONCRETE TO WIREL THE SYNCHRONIC SECTION CONCRETE BUSS OF DISCON IS SHARIDE (THAT IN PLUS OF SEA CORPORATION. THE WORTHAY/CONCRETE BUILD'S PRUCULUS A PERIFICATION CORRESSON INHABITOR. FOR REPAIRS GREATER THAN I'M IN EPPIN, ADD 3/8" COMES AGRECATE TO THE REPAIR WORTHER. IF BOOMING ACCOUNT HORSO, RE-TEST SUBSTRATE.

 10 SATURATED SURFACE ORY AND APPLY A SCRUB COAT TO THE SUBSTRATE, FILLING ALL PORES AND VOIDS, SURFACE PREPARATION, MIXING PROCEDURES, AND APPLICATION SHALL CONFORM TO THE
- 8. PROTECT AND CURE REPAIR PATCH IN ACCORDANCE WITH THE WANDFACTURER'S RECOMMENDATIONS
- REMOVE AND REPLACE PATCHES THAT HAVE VOIDS OR HONEYCOMBING, THAT EXPERIENCE SHRINKAGE CRACKING, OR THAT ARE DEFECTIVE IN ANY WAY AT NO ADDITIONAL COST TO THE OWNER.

- PROVIDE NORMAL-WEIGHT CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 4500PSL
- 2. PROVIDE CRYSTALLINE WATERPROOFING ADMIXTURE IN ALL CONCRETE
- INSTITUTE ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE", AND AS SPECIFIED HEREIN.
- DETAIL REINFORCING STEEL IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE ACI 315, "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" AND ACI SP-88, "ACI DETAILING MANUAL."
- PROVIDE REMFORCING STEEL CONFORMING TO ASTM AG15, CRADE 60, DEFORMED BARS.
 REINFORCING STEEL REDURING WELDABILITY MUST CONFORM TO ASTM A706, GRADE 60,
- UNLESS NOTED OTHERWISE ON THE DRAWINGS, PROVIDE CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS: 2".
- Subuit reinforcing steel details and joint layout (shop drawings) and receive approval from the engineer before proceeding with Fabrication.
- B. CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS NOTED OTHERWISE
- PLACE CONCRETE SLABS AND WALLS BETWEEN INDICATED AND APPROVED JOINTS, ALLOWING A MINIMUM ELAPSED PERIOD OF 48 HOURS BETWEEN ADJACENT PLACEMENTS.
- PROVIDE JOHTS DALY AS DETAILED ON THE DRAWINGS AND ON APPROVED SHOP DRAWINGS.
 DO NOT PROVIDE ADDITIONAL JOINTS NOR OMIT ANY JOHTS EXCEPT BY WRITTEN
 AUTHORIZATION FROM THE EXIGINEER, APPROVED ADDITIONAL JOINTS MUST NOT RESULT IN
 ADDITIONAL PROVINCE TO THE OWNERS.
- 21 DAYS.

 RESULL ADHESIVE AND MECHANICAL ANCHORS WITH A MINIMUM EDGE DISTANCE OF 3 MCHES

 RESULL ADHESIVE AND MECHANICAL ANCHORS WITH A MINIMUM EDGE DISTANCE OF 3 MCHES

 TO AMY FREE EDGE OF CONCRETE AND 4 MCHES TO AMY FREE EDGE OF MASORY, OR EDGE

 12. PROMOS CONSTRUCTION JOHN MITTERFACE CLEAN AND FREE OF LATANCE. WEDGE MOCINITIES

 ON MATERIAL PROMOSES, MINIMONIALLY PROMOSE CONSTRUCTION JOHNS TO A FALL AMENITURE OF

 1/4 MICH. BANGAUTER SPERGE AND CONSTRUCTION JOHNS MUST BE

 "CONCRETED AND STANLING WATER REMOVED."
 - PROVIDE 6' PVC BULB-TYPE WATERSTOPS AT CONSTRUCTION JOINTS IN SLABS AND BETWEEN SLABS AND WALLS.
 - 14. PROVIDE SWELLABLE-TYPE WATERSTOPS AT VERTICAL CONSTRUCTION JOINTS IN WALLS AND WHERE INDICATED ON THE DRAWINGS.
 - WHERE A SLAB IS SLOPED (TOP AND/OR BOTTOM), PROVIDE SLOPED REINFORCING STEEL PARALLEL TO THE CONCRETE SURFACE. 16. OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS ARE PRINCIPAL OPENINGS. REVEW DRAWINGS FROM OTHER DISCIPLINES AND COORDINATE OPENINGS AND EMBEDDED ITEMS SUCH AS SLEEVES, ANCHORS, CONDUIT, ETC. INCORPORATED INTO THE CONCRETE WORK.
 - COLD WEATHER PLACEMENT OF CONCRETE MUST BE IN ACCORDANCE WITH ACI JOSE, ACI JOS.1, AND THE SPECIFICATIONS.
 - - YOURTEE SPRING UPGRADE 20304 YOURTEE RD, KNOXVILLE MARYLAND

PREPARE EXISTING SLAB AND WALLS TO RECEIVE DRAININGE SYSTEM PRIOR TO INSTALLATION, CLEAN THE SURFACES TO REMOVE ALL LOOSE MATERIALS, DIRT, CRIT, AND ALL OTHER CONTAMINANTS. INSTALL PREFABRICATED SHEET DRAIN PER MANUFACTURERS RECOMMENDATIONS ON EXISTING SLAB AND Walls to the units indicated on the drawings seal and terminate boundaries of sheet drain as indicated and as recommended by the manufacturer.

PROVIDE AMERICAN WICK DRAIN (AWD) SINGLE-SIDED SITEDRAIN SHEET 338 GEOCOMPOSITE SHEET DRAIN WITH NON-WOVEN CECITEXTILE, OR APPROVED EQUAL.

- SHEET DRAIN MUST BE INSTALLED WITH CEDTEXTLE FACE DOWN ACARIST EXISTING SLAB, AND WITH CEDTEXTILE AGAINST THE FACE OF EXISTING WALLS.
- 5. SEAL JOINTS, PENTRATIONS, AND SEAMS WITH AND FITTING & JOINT TAPE.
- SUBJUT PREFABRICATED SINGLE-SIDED SHEET DRAIN PRODUCT DATA FOR REVIEW AND APPROVAL.
- THE INTENT IS FOR THE DRAINAGE SYSTEM TO COLLECT CROUND WATER SEEPAGE AND TO ALLOW CRAINTY FLOW BETWEEN THE NEW AND EXISTING SLAB WITH POSITIVE DISCHARGE BEHIND THE OVERFILLOW WEEK.



TYPICAL CMU BOND BEAM DETAIL

TYPICAL DRAINAGE SYSTEM ASSEMBLY

DRAINAGE SYSTEM WITH

NON-WOMEN GEOTEXTILE SIDE

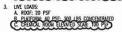
AGAINST EXISTING SLAB OR WALL

EXISTING SLAB OR WALL

100 1 34

E CHAPTER LO SSE

TO CHEMICAL ROOM ELEVATED SIDE: 5 PS:
W. SOPERMINOSED DIAN INCLUDES COMBINED WEIGHT OF ALL PERMANENT NON-STRUCTURAL COMPONENTS SUPPORTED BY THE FRAMING INCLUDING MEP C EDJEWENT SO GALON SOONUN MPOCHLORIE DARY 575 LBS CONCRETE .



4. ROOF LIVE LOAD: 20

5. ROOF SNOW LOAD: A CROUND SNOW LOAD (PC): 30 PSF B. EXPOSURE FACTOR (CF): 0.9

A STRUCTURES: ACTUAL WEIGHT

B. SUPERIMPOSED DEAD LOAD: L ROOF: 5 PSF

- C. THERMAL FACTOR (CT): 1.1

 D. SNOW LOAD IMPORTANCE FACTOR (IS): 0.8 E. FLAT ROOF SHOW LOAD (PF): 17 PSF
- A ULTIMATE WIND SPEED (VULT): 101 MPH
- B. HOWINAL WIND SPEED (VASO): 78 MPH C. EXPOSURE CATEGORY: C D. INTERNAL PRESSURE COFFECIENT: +/- 0.18

- A SESIMO MONTANCE FACTOR (IE): 1.0

 B. MAXIMUM EARTHCUAKE SPECTRIX, RESPONSE ACCELERATION AT SHORT PERIODS: SS=0,13G

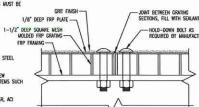
 C. MAXIMUM EARTHCUAKE SPECTRIX, RESPONSE ACCELERATION AT ONE-SECOND: S1=0.043G

 D. SITE CLASSIFICATION: 0
- SITE SEISMIC COEFFICIENT: FA=1.6; FV=2.4
- SPECTRAL RESPONSE COEFFICIENTS: 505 = 0.139; SD1 = 0.069 G. SEISHIC DESIGN CATEGORY: B
- SECUL DESIAN CHECKUTT IF

 AMALYSE PROCEDURE: COUNALEIT LATERAL FORCE

 BASIC SESMIC FORCE RESISTING SYSTEM: LIGHT FRAME WOOD WALLS SHEATHED WITH
 WOOD STRUCTURAL PARIES.

 DESCRIPTION OF MEMORPHISM CATTER D. P. E.
- J. RESPONSE MODIFICATION FACTOR: R=5.5
- K. SEISVIC RESPONSE COEFFICIENT: CS=0.021 L. DESIGN BASE SHEAR: 1 KIP



8. HORIZONTAL BARS TYPICAL REINFORCING DETAILS

03/21/22 CHEMICAL ROOM SLAB REPLACEMENT 2 01/29/21 CLEAR WELL CONCRETE IMPROVEMENTS REVISION

AT WALL CORNER

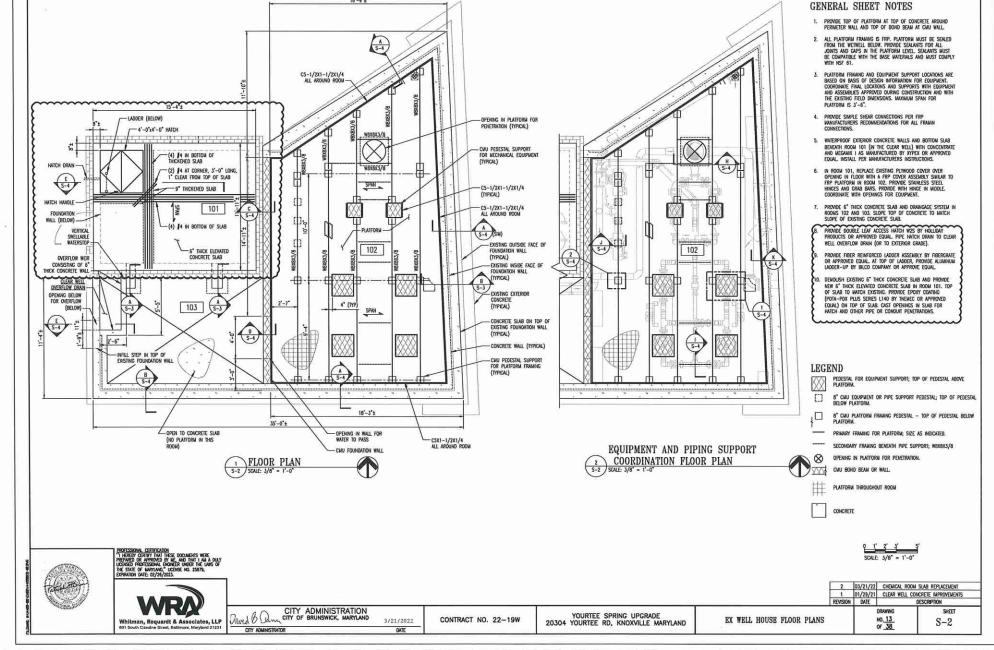
Divid & Dam CITY ADMINISTRATION CITY OF BRUNSWICK, MARYLAND

3/21/2022 DATE

CONTRACT NO. 22-19W

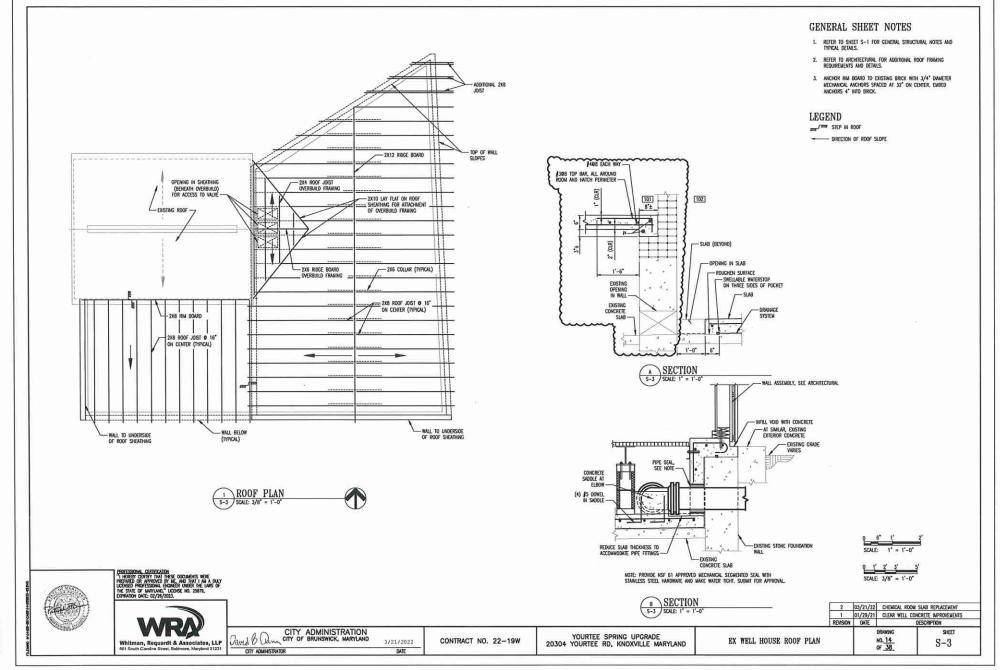
LAP SPLICE

(24")



16'-9"±

WITH BATE AND RESTS IN MICE STAN WANTED WATER THAT WAS SELECTED WATER THE WATER THE WATER THE WATER THE RESIDENCE OF IN A SAME SOCIETY.



ALT MIS VERNEE PAGET IN MIC KINA VIN-FF CLUDO ALT TITLE VALIBICITA MICH EXCHOLAL BLES I CAM I MIS

WALL ASSEMBLY,

WALL ASSEMBLY, SEE ARCHITECTURAL

1/2°B ADHESNE ANCHOR 032° WITH

CONTINUOUS SWELLABLE WATERSTOF

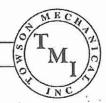
CHANGE ORDER

			No. <u>15</u>
DATE OF ISSUANCE 3/29/2	22	EF	FECTIVE DATE:3/29/22
OWNER	City of Brunswick		
CONTRACTOR	Towson Mechanical,	Inc.	
PROJECT OWNER'S CONTRACT NO.	City Police and Publi	ic Works Headqua	rters
ENGINEER'S CONTRACT NO. ENGINEER	335.009 Clark Azar Associat	tes, Inc.	Section 2000 (100 Control of Cont
You are directed to make the follow	ring changes in the Contr	act Documents: S	ee Attached Document
Reason for Change Order (number of	correspond to above). Cit	ty requested Modi	fications to evidence room
CHANGE IN CONTRA	ACT PRICE:		CHANGE IN CONTRACT TIMES:
Original Contract Price		Original Cont	
\$ 5,989,000.00		Ready for fir	Completion:8/10/22 nal payment:9/10/22 (days or dates)
Net Increase (Decrease) from prev No.0 to 12	rious Change Orders	Net change fro No.7 Substantial O	om previous Change Orders No. 0 to
\$ 73,355.00		Ready for fir	2 nal /14/22
Contract Price prior to this Change	e Order:	Contract Time	(dates) es prior to this Change Order:
\$ 6,062,345.00		Ready for fir	Completion:39 days nal payment:39_days (days or dates)
Net increase (decrease) of this Cha	ange Order:	Net increase (decrease) this Change Order:
_\$15,538.00			Completion: 0 nal payment:0 (days)
Contract Price with all approved C	Change Orders:		es with all approved Change Orders: Completion: 10/11/22
\$6,077,883.00			nal payment: 11/18/22 (days or dates)
RECOMMENDED:	APPROVI	ED.	ACCEPTED:
By: That	By: Daw	ed B Denn	By:CONTRACTOR (Authorized Signature)
ENGINEER (Authorized Signature Date: 3/29/22	Date: 4/6		Date:



T.M.I.

Contractors



8651 Oakleigh Road Parkville, MD 21234 Phone: 410-668-1210 Fax: 410-668-1364 info@towsonmechanical.com

March 22, 2022

Clark | Azar & Associates, Inc. 20440 Century Boulevard, Suite 220 Germantown, MD 20874

Attn: Jason Azar, PE

Re: City of Brunswick - City Police & Public Works Headquarters

Owner Project No. 335.009

PCO No. N.— Modifications to Evidence Room 102

Mr. Azar,

We offer this proposal to provide the labor, tools, materials, and equipment as indicated herein. In general, the scope of the proposed work includes Modifications to Evidence Room 102 per A/E e-mail dated March 3, 2022. The total amount for this proposal is Fifteen Thousand Five Hundred Thirty-Eight Dollars and No Cents (\$15,538.00). Please feel free to contact this office with any questions.

Sincerely, Towson Mechanical, Inc.

Paul Walter

Project Manager





ROUNDED TO

March 22, 2022 DATE: General / Mechanical Contractors City of Brunswick - City Police & Public Works Headquarters Project Name: General Contractor: Towson Mechanical, Inc. Overhead Door / M&M / Detail Finishes / Mick's Plumbing / Ellsworth Subcontractor/Supplier: Description: Modifications to Evidence Room 102 Hours @ \$ 1 Direct Payroll (Carpenter): 0 0 Hours @ 2 Direct Payroll (Plumber): 3 Direct Payroll (Laborer): 0 Hours @ \$ \$ 0 Hours @ 4 Direct Payroll (Apprentice): Payroll Tax & Insurance Burden: 45.00% \$ 5 994.00 6 **Total Material Cost:** Door, Frame & Hardware 6.00% 59.64 \$ 7 Material Sales Tax: \$ 8 Other Charges: Contractor Truck 9 \$ Contractor Owned Equipment: 10 1,053.64 SUBTOTAL: \$ 11 \$ 158.05 Overhead & Profit: 15.00% 12 1,211.69 \$ TOTAL GC: 13 M&M 1,825.00 Detail Finish 982.10 Mick's 6,122.32 \$ 12,746.54 \$ 3,817.12 Subcontractors Cost: Ellsworth 14 1,274.65 10.00% \$ 15 OH&P on Subcontractor Cost: \$ 15,232.88 16 SUBTOTAL: 2.00% \$ 304.66 Bond @ 17 15,537.54 \$ TOTAL AMOUNT THIS COR: 18

\$

15,538.00

Change Order

Contemplated Change Order #3 Added vestibule 102A @ Evidence Room102

. ##	2 2 1864 K 6 6K	**	Sec. 3 3 3 4 6 604 4 300 5000	****** 38 * * * * *******	*** *****	
1	Single Door #102B	Vestibul	e 102A from Evidence	Room 102		LHR
1	3068 WD 1 3/4 PC5 RCNB PF	ST 5 PLY SOFT/E	DGE F PC LHR (CYL; HG	1(3))		
1	SU 16 CRS 578 SGL 3068 V2 I	RH (45H-; A01_N	/ISZ1-; S)			
3	BB81 4.5"x4.5" NRP HINGE	BB81 4.5"X4.5	" NRP		652	PBBI
1	Lockset	AU 4705LN K9	26-6		626	YA
1	Dome Stop	440			US26D	RO
3	Door Silencer	608-RKW			GREY	RO
Section	n Totals					
	08 11 13 Hollow Metal Door	s & Frames				325.00
	08 14 16 Flush Wood Doors					464.00
	08 71 00 Door Hardware					205.00
				Pre-Tax Total:		994.00
	• •					
Taxes	<u>©</u>					
		MD	Maryland Sale Tax			59.64
				Tax Total		59.64
				Grand Total:		1,053.64

• •



&M Consulting LLC.

Job Reference: Brunswick Police Station &

Public Works HQ 811 West Potomac Street Brunswick, MD 21716

Change Order #2

DATE:

03/18/2022

Due Date:

03/31/2022

Paul Walter Towson Mechanical, Inc. 8651 Oakleigh Rd Parkville, MD 21234

DESCRIPTION	AMOUNT
ASK # 031122 New Partitions Type B1, With Bulkhead per note	\$1,350.00
Install door frame and door hardware	\$ 475.00
Breakdown:	_
- Material: \$415.00 - Labor : \$1,410.00	
Total of Change Order	
	\$1825.00

Please	email the signed this invoice accepted the terms
Custon	ner Acceptance (sign below):
x	
Print N	lame:

Thank You for Your Business!

William Omar Montano 703-357-4223

3763 Old Washington Rd. Waldorf, MD. 20602



Detail Finishes Inc. Paint & Wall Covering Services

3333 Woodburn Village Dr Suite33, Annandale, VA 22003. Nicolas Obando

Project Manager 571-268-3866

gmnick74@gmail.com

\$26.00

03 - 18 - 2022

CHANGE ORDER 1

TOWSON MECHANICAL INC Paul Walter Jr

Material Description: 2 gallon drywall primer

Project name: POLICE STATION AND PUBLIC HEADQUARTERS 811 West Potomac Street Brunswick, MD

Description Work:Room 102 A Vestibule Evidence room change ASK 030122 - 01

- Partition walls
- HM FRAME
- Prep work necessary

	gallon eggshell finishes color gallon DTM semi gloos.	unit per gallor unit per gallor		\$50.00 \$39
	tube caulking latex	unit per tube	98	\$3.00
		St	ıb Total \$11	18.00
L	ABOR: 16 hours	unit per hours	\$ 46.00	\$736.00
P & H.	% 10			\$85.40
	% 5			\$42.70

TOTAL COST \$982.10

unit per gallon \$ 13.00.

Mick's Plumbing, Heating and Air 27 Howard Street Thurmont, MD 21788 Ph 301-271-2488 Fax 301-271-2111

Change Order Proposal

Change Order No.	2		Date .	3	/10/2022
Project Name: Prime Contractor: Subcontractor:	Brunswick City Police & Towson Mechanical, Ind Mick's Plbg, Htg & AC		Headquarter	s	
Change Order Scope: RE: ASK 030122-01 & Add duct, air devices, f Room.	-02: îre dampers, access doo	r, insulation & b	alancing in I	≣vid∈	ence
A. Labor, Materials & Equipmen	t				
A.1 Direct Payroll (Lab		\$	3,840.00		
A.2 Material Cost		\$	1,410.18		
A.3 Equipment Rental					
A.4 Direct Equipment (Costs	\$ \$	· –		
A 2 17 17 17 17 17 17 17 17 17 17 17 17 17	aterial & Equipment	*		\$	5,250.18
B. Overhead & Profit					
B.1 Total A multiplied I	oy 15%				
Total B - Overhea	d & Profit			\$	787.53
C. Sales Tax (MD 6% sales tax	material only)			\$	84.61
D. Sub-contractor cost					
D.1 Subcontractor cos	t	\$	₹s		
D.2 Subcontractor ma	rkup (15%)	\$	-		
Total D - Subcont				\$	2
E. Total (A+B+C)				\$	6,122.32

(see next page for details)

Labor Expenses Detail

					OT		
Sgl Man		Ĺ	.abor	L	abor		
Hours	Job Title		Rate		Rate	7	otal
64	PLUMBER(S) / MECHANIC(S) Reg Time	\$	60.00			\$ 3	840.00
	PLUMBER(S) / MECHANIC(S) Over Time			\$	90.00	\$	-
	* *	-				\$ 3	840.00

Material Expenses Detail

			1 10 10 10 10 10 10 10 10 10 10 10 10 10		
Quantity	Description	N	et Each	E	xt Net
1	(lot) 10" duct with accessories and	\$	610.00	\$	610.00
	insulation per sketch			\$	-
2	Fire Dampers	\$	125.00	\$	250.00
1	Duct Access Door	\$	16.17	\$	16.17
2	Supply Diffusers	\$	119.67	\$	239.34
1	RA Grille	\$	119.67	\$	119.67
2	Balance diffusers	\$	75.00	\$	150.00
1	Misc Shop supplies	\$	25.00	\$	25.00
	* **			\$	-
				\$	-
				\$ 1	1,410.18
				-	

COST BREAKDOWN

			COST BREA				
llsworth E	lectric, Inc.		Description: Changes to Evidence Room 102		**** * * ****		
nange O	rder : 008	01 D.B.	A COURT	Dale: 3-14-22			***** ***
D Name	Hrunswick	City Police	& PW Headquarters			//////////////////////////////////////	# es
OTV.	1004	r	MATERIAL DESCRIPTION		UNIT COST	TOTAL COST	
QTY	UNIT	***********	DESCRIPTION	144 6 (MANAGE	UNIT COST	TOTAL COST	1212.0
			COOTE EL COTOLO ENTUDE DUATE		\$ 583.00	\$ 583.00	
1	EA EX		SCOTT ELECTRIC FIXTURE QUOTE		\$ 583.00 \$ 1.36	\$ 583.00 \$ 136.00 \$ 6.30 \$ 5.20	*******
100	FT		3/4' EMT			\$ 130.00	
10	EA		3/4' S COMP COUP		\$ 0.63	\$ 6.30	
10	EA		3/4' S COMP CONN		\$ 0.52		
6	EA		4° SQ J BOX		\$ 1.50	\$ 9.00	
2 3	EA		SINGLE GANG 5/8" RISE RING		\$ 0.68	\$ 1.36	1.0000000
	EA	5024	CADDY BOX MOUNTS		\$ 1.59	\$ 4.77	1 × 100
300	Ħ		#12 THHN		\$ 0.24	\$ 72.00	
100	FT.		12/2 MC		\$ 0.79	\$ 79.00	
6	EA		MC CONN		\$ 0.49	\$ 2.94	
_!	LOT		MISC FASTENER		\$ 28.75	\$ 28.75	
1	LOT		MISC CONNECTORS		\$ 28.75	\$ 28.75	10200
10	FT.		1 1/4° EMT		\$ 3.81	\$ 38.10	
i	EA		1 1/4" EMT 90	2 2 22 22 22 22 22 22 22 22 22 22 22 22	\$ 9.58	\$ 9.58	
2	EA		1 1/4" S COMP CONN		\$ 2.02	\$ 4.04	9 8
1	EA		1 1/4" S COMP COUP		\$ 1.52	\$ 1.52	
.1	EA		4 11/16 J BOX WITH 1 1/4" KO'S		\$ 4.59	\$ 4.59	
_4	EA		1 1/4" 1 HOLE STRAPS		\$ 0.44	\$ 1.76	
				- +	\$ -	\$ -	33
		211202			<u>\$</u> ·	\$ -	
					<u>\$</u> -	\$ -	
					\$	\$.	
				N. 20 O ELEBERATE PERSONS	\$ -	\$	
	0.00 TO 0		Commence of the commence of th		\$	3	Į.
						\$	
					\$	\$	
No.					6 W T 16 .	-	
			Lawrence -		Subtotal Cost		
			SALES TAX ON MATERIAL			\$ 61.00	
		1.5		1	0% Overhead	\$ 107.77	ļ
					5% Profit	\$ 59.27	
				TOTAL MA	TERIAL COST	\$ 1,244.70	
							1
							les e
	l		LABOR		70741	LADOD	ļ
	la	TOTAL			TOTAL	LABOR	
# Men	HRS	HRS	CLASSIFICATION		TOTAL RATE	LABOR COST	
# Men		HRS 0	CLASSIFICATION		RATE	COST -	
# Men	HRS	HRS 0 32	CLASSIFICATION Foreman Electrician				
		HRS 0 32 0	CLASSIFICATION Foreman Electrician Electrician Overtime		RATE	COST -	
		HRS 0 32	CLASSIFICATION Foreman Electrician		RATE \$ 58.00	COST \$ - \$ 1,856,00 \$ - \$ -	
		HRS 0 32 0	CLASSIFICATION Foreman Electrician Electrician Overtime	Sublo	\$ 58.00	COST \$ - \$ 1,856.00 \$ - \$ 5 \$ 1,856.00	
		HRS 0 32 0	CLASSIFICATION Foreman Electrician Electrician Overtime		\$ 58.00 lál Labor Cost 20% Burden	COST \$ \$ 1,856.00 \$ \$ 1,856.00 \$ 371.20	
		HRS 0 32 0	CLASSIFICATION Foreman Electrician Electrician Overtime	Subto	\$ 58.00 lál Labor Cost 20% Burden lal Labor Cost	COST \$ \$ 1,856.00 \$ \$ 1,856.00 \$ 371.20 \$ 2,227.20	
		HRS 0 32 0	CLASSIFICATION Foreman Electrician Electrician Overtime	Subto	\$ 58.00 lál Labor Cost 20% Burden lal Labor Cost 0% Overhead	COST \$ 1,856.00 \$ 1,856.00 \$ 371.20 \$ 2,227.20 \$ 222.72	
		HRS 0 32 0	CLASSIFICATION Foreman Electrician Electrician Overtime	Subto	\$ 58.00 lal Labor Cost 20% Burden tal Labor Cost 0% Overhead 5% Profit	COST \$ 1,856.00 \$ \$ 1,856.00 \$ \$ 1,856.00 \$ 371.20 \$ 2,227.20 \$ 222.72 \$ 122.50	
		HRS 0 32 0	CLASSIFICATION Foreman Electrician Electrician Overtime	Subto	\$ 58.00 lál Labor Cost 20% Burden lal Labor Cost 0% Overhead	COST \$ 1,856.00 \$ \$ 1,856.00 \$ \$ 1,856.00 \$ 371.20 \$ 2,227.20 \$ 222.72 \$ 122.50	
		HRS 0 32 0	CLASSIFICATION Foreman Electrician Electrician Overtime Helper	Subto	\$ 58.00 lal Labor Cost 20% Burden tal Labor Cost 0% Overhead 5% Profit	COST \$ 1,856.00 \$ \$ 1,856.00 \$ \$ 1,856.00 \$ 371.20 \$ 2,227.20 \$ 222.72 \$ 122.50	
		HRS 0 32 0	CLASSIFICATION Foreman Electrician Electrician Overtime	Subto	\$ 58.00 lai Labor Cost 20% Burden lai Labor Cost 0% Overhead 5% Profit ABOR COST	COST \$ 1,856.00 \$ 1,856.00 \$ 371.20 \$ 2,227.20 \$ 222.72 \$ 122.50 \$ 2,572.42	
	16	HRS 0 32 0	CLASSIFICATION Foreman Electrician Helper EQUIPMENT	Subto	\$ 58.00 lai Labor Cost 20% Burden lai Labor Cost 0% Overhead 5% Profit ABOR COST	COST \$ 1,856.00 \$ 1,856.00 \$ 371.20 \$ 2,227.20 \$ 222.72 \$ 122.50 \$ 2,572.42	
		HRS 0 32 0	CLASSIFICATION Foreman Electrician Electrician Overtime Helper	Subto	RATE \$ 58.00 al Labor Cost 20% Burden al Labor Cost 0% Overhead 5% Profit ABOR COST RENTAL RATE	COST \$ 1,856.00 \$ \$ 1,856.00 \$ 371.20 \$ 2,227.20 \$ 222.72 \$ 122.50 \$ 2,572.42 RENTAL COST	
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COMMERCIAL LIGHTING DIVISION

18043 Oblinidge Dr.,
Hagerstown, MD 21740
888-333-7850

Quotation

PAGE 1/2

Date:	3/11/2022
Cust Name:	ELLSWORTH ELECTRIC
Customer#	30231
Attn:	DAVE ROACH
Job Name:	BRUNSWICK POLICE STATION
Job Location:	BRUNSWICK MD
Quoted By:	RAY BROWN

Quote#	031122RB
Releases	1
Valid To:	4/11/22
Rep Name	ONE SOURCE

Bid	
Buy	X
Arch/Engr	

Туре	Mfg.	Description	Qty	Cost	Total	
	DUAL-LITE	EVEUGWE Est. 6-8 wks	2	×		
EMBAT	DUAL-LITE	LZ2-03L In stock 3/11/22	1			
SLD	LUTRON	PJ2-3BRL-GWH-L01 Est. 5-6 wks	1			
SLD	LUTRON	PICO-WBX-ADAPT In stock 3/11/22	1			
SLD	LUTRON	CW-1-WH In stock 3/11/22	1			
PP	LUTRON	RMJS-8T-DV-B Est. 13-17 wks	1			
OC	LUTRON	LRF2-OCR2B-P-WH Est. 12-13 wks	1			-
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Quote Terms SEE PAGE 2



BRUNSWICK MARYLAND

2021 Dination -

January 29, 2022

DEAR COMMUNITY SPONSOR

Railroaders Little League in Brunswick, MD is a non-profit organization that is run locally by volunteers. From the members of the Board of Directors to the coaches and umpires on the field, Little League relies on community support to have a successful season. It is through your donations and sponsorships that we can provide an opportunity for all our youth to play baseball and softball.

The mission of our League is to implant the values of good sportsmanship, honesty, loyalty, courage, and respect for authority in the youth of the community. These values help them to become decent, healthy, and trustworthy citizens.

Our League is comprised of approximately 350 youth aged 4 to 16 from Brunswick, Jefferson, Knoxville, Burkittsville, Point of Rocks, and Adamstown. As a non-profit organization, revenue is generated from fundraising programs, registration fees, and generous donations from the community. Through your sponsorship and donations, we can keep our registration fees affordable so all youth in the community have an opportunity to participate.

Our current projects include renovation of our batting cages in James W. Main Park, replacing the bleacher roofs at Marvin E. Younkins Memorial Field, and working with the City of Brunswick to get the new Sports Complex fields fenced and enclosed.

It is that time of year to help us once again. Sponsorship in BRLL provides a great advertising opportunity for your business among families all over Frederick County as well as a tax-deductible donation for you. Your sponsorship will be of great benefit to many children in our community. Our youth are our future, and we need to invest in them. All sponsors will be recognized and appreciated on our league website and with field banners. Please take a few moments and consider the enclosed sponsorship program. Any donations are deeply appreciated!

THANK YOU FOR SUPPORTING OUR YOUTH THROUGH LITTLE LEAGUE!



2022 BRLL SPONSORSHIP OPPORTUNITIES

All sponsorship levels include your company name, logo, and link on the BRLL website for the entire 2022 year! You supply the artwork or logo, and we do the rest.

()	A.	Please specify amount – Any amount is greatly appreciated		
()	В.	\$300 = 12" x 18" sign located at the Major field or Minor field or Softball field		
()	C.	\$500 = 12" x 18" sign located at all fields (Majors, Minors, and Softball)		
()	D.	\$500 = 3' X 5' banner located at the Major field or Minor field or Softball field		
ALL LEVELS LISTED BELOW (E through I) INCLUDE: your company name on the coaches' shirts and an engraved plaque with your company name and picture of the team you are sponsoring, plus your company name, logo, and link on the BRLL website!				
()	E.	\$1000 = 3' X 5' banner located at all fields (Majors, Minors, and Softball)		
()	F.	\$1000 = your company name on the scoreboard at the Minor field		
()	G.	\$1500 = your company name on the scoreboard at the Major field		
()	Н.	\$1500 = your company name on the scoreboard at the Softball field		
()	L.	\$3000 = your company name on all scoreboards (Majors, Minors, and Softball)		

Sponsors signing up for levels with Company Name on Coaches' shirts must be received by March 10th!



Please enclose a business card with the name as it should appear on the sign, plaque, shirts, and BRLL website. Also, please fill out the information below:

Name:					
Address:					
Phone:					
Web Link:					
Point of Contact:					
B or D circle fi	eld of choice	Majors	or	Softball:	

O I do not want my information posted on the BRLL website

Please mail your completed sponsorship form to:

Brunswick Railroaders Little League ATTN: Sponsorship Committee PO Box 98 Jefferson, Maryland 21755

Or pay online at railroaders-little-league.square.site



Carrie Myers

From:

Angel Kurtz <angelkurtz@hotmail.com>

Sent:

Wednesday, March 23, 2022 7:55 AM

To:

Carrie Myers

Subject:

BRLL Sponsorship

Attachments:

2022 BRLL Sponsor Letter.pdf

Categories:

Meetings

Hi Carrie,

Please see the attached letter and form regarding sponsorship for Brunswick Little League. At this time, option "D" on the form is being offered for a \$300-\$500 donation. Banners ordered by March 27th will be displayed on opening day (April 2nd) and throughout the entire season. Banners can be ordered at any time during the season and will be out on display once they have been printed. Please feel free to contact me with any questions you may have. We appreciate your time and consideration.

Thank you, Angel (240) 405-2487

Get Outlook for Android



Learning Tree Before and After School Program
Located at Brunswick Elementary School
400 Central Avenue
Brunswick, MD 21716
Preschool Program
607 East D Street
Brunswick, MD 21716

March 15, 2022

Brunswick Mayor and Council Brunswick City Hall 1 West Potomac Street Brunswick, Md. 21716

Mayor & Council

The Learning Tree Early Learning Center is writing to request the continued use of the Brunswick City Park building for our 2022 Summer Camp Program. The request is for the east side (non-stage) for Monday through Friday 6:15am-6:00pm. In view of school ending and beginning we will provide these dates as they become available. School will possibly end on June 7, 2022, but may end before or after that date depending on how many snow days need to be added in. School will restart on or about August 17, 2022, but we will let you know as soon as we are sure. We just wanted to let you know IN ADVANCE that we would still like to continue the use of the City Park Building this summer for our School-age Summer Camp.

As always, our qualified and dependable staff will accompany the children at all times while using your facility. We are aware of the restrictions and regulations that are in effect to provide safety due to covid-19, we will comply with all regulations that are in effect.

The Learning Tree Early Learning Center has served the community for over 41 years. Prompt reply to this matter will be greatly appreciated so parents can make plans for their children's summer program.

Please call 301-834-7577 if you have questions or email me at **learningtree60@yahoo.com**. We are looking forward to a fun-filled summer.

Sincerely,

Lisa Kirkland

Director

2022 Municipal Pool Season

Operating Hours & Rates

- Open Memorial Day Weekend (Saturday, 5/28/22) Labor Day Weekend (Monday, 9/5/22)
- Monday Thursday Noon 7pm
- Friday, Saturday, Sunday Noon 5:30pm
- Modified hours when FCPS is in session
- Daily admission rates

0	Youth (12 & under)	\$3
0	Teen/Senior (13-17, 60+)	\$4
0	Adult (18+)	\$6

- o Daily admission is only available at the front desk of the pool by cash or check
- Season passes

0	Youth	\$65
0	Teen/Senior	\$80
0	Adult	\$110
0	Two-Person	\$150
0	Household (up to 4 people)	\$200
0	Household + each additional	\$25 each

o Season passes are only available for purchase through City Hall

Private Parties

Fridays, Saturdays, Sundays from 6-8pm

25 people & under \$150
26-50 people \$175
51-99 people \$200

Swim Lessons

- Age 3-13
- 30 minute sessions Monday Friday for two weeks (10 session total)
- \$60/child
- Classes limited to 10 per class